HESS CORPORATION
3015 16th Street SW, Suite 20
Minot, ND 58701

October 31, 2019

NEXT DAY DELIVERY

Office of Enforcement, Compliance & Environmental Justice (8ENF-AT)
U. S. Environmental Protection Agency Region VIII
1595 Wynkoop Street
Denver, Colorado 80202-1129

RE: NSPS SUBPART OOOOa - 2019 ANNUAL REPORT

Dear Madam/Sir:

Per the requirements of the EPA's New Source Performance Standard (NSPS) Subpart OOOOa, please find the attached 2019 annual report addressing Hess's NSPS Subpart OOOOa affected facilities for our North Dakota operations for the reporting period of August 2, 2018 to August 2, 2019.

If you should have any questions regarding this information, please contact Ms. Vicky Sund at (701) 420-7020, Mr. Stetson Sannes at (701) 420-7004 or me at (701) 420-6951.

Sincerely,

(b) (6) [redacted]

Kim Boles
Director, Bakken Operations

Attachments

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 10/31/2019

General Information					
Facility(s) Name:	Hess North Dakota (Bakken) Production Operations				
Facility (Field Office) Physical Address					
Street:	3015 16th Street SW, Suite 20				
City:	Minot		**County:** Ward		
State:	North Dakota	**Zipcode:**	58701		
Responsible Official					
Name:	Kim Boles	**Title:**	Director, Bakken Operations		
Email:	KBoles@hess.com	**Phone:**	701-420-6951	**Mobile:**	281-685-9587
Regulatory Contact					
Name:	Vicky Sund	**Title:**	Manager, Regulatory		
Email:	VSund@hess.com	**Phone:**	701-420-7020	**Mobile:**	701-570-5677
Report Preparer					
Name:	Stetson Sannes	**Title:**	Specalist, Regulatory		
Email:	Ssannes@hess.com	**Phone:**	701-420-7004	**Mobile:**	701-509-0815

Affected Facilities	*Included in this report?*
Hydraulically Fractured Production Wells	✓
LDAR Applicable Facilities - Compressors & Production	✓
Applicable Reciprocating Compressor Operating Hours	✓

Determined Non-Applicability For The Following Potentially Affected Facilities:

1. Gas Processing Sweetening Units
2. Gas Processing Leak Detection And Repair (LDAR)
3. Compressors - Centrifugal
4. Pneumatic Devices At Gas Processing Plants
5. Pneumatic Devices At Production Sites
6. Storage Vessels

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Certification

I hereby certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Kim Boles	Director, Bakken Operations
Name of Responsible Official	**Title**
(b) (6) [redacted]	10/31/2019
Signature of Responsible Official	**Date signed**

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/2018 to 8/2/2019

Affected Facilities: ***Hydraulically Fractured or Refractured Production Wells***

Any well completion with hydraulic fracturing or refracturing occurring at an affected facility.

Digitial photograph, as allowed per 40 CFR 60.5420a (c)(1)(v), noted as being attached in lieu of including detailed flowback data report.

Well Name	API #	Digital Photograph(s) Attached (40 CFR 60.5420a (c)(1)(v))	Flowback Data Report	Duration of Venting (hours) (40 CFR 60.5420a (c)(1)(ii))
AN-BOHMBACH-153-94-2734H-10	3305308603	Yes		0
AN-BOHMBACH-153-94-2734H-6	3305308607	Yes		0
AN-BOHMBACH-153-94-2734H-7	3305308606	Yes		0
AN-BOHMBACH-153-94-2734H-8	3305308605	Yes		0
AN-BOHMBACH-153-94-2734H-9	3305308604	Yes		0
AN-DINWOODIE-153-94-2833H-4	3305307886	Yes		0
AN-DINWOODIE-153-94-2833H-5	3305307887	Yes		0
AN-DINWOODIE-153-94-2833H-6	3305307888	Yes		0
AN-DINWOODIE-153-94-2833H-7	3305307889	Yes		0
AN-DINWOODIE-153-94-2833H-8	3305307890	Yes		0
AN-GUDBRANSON-153-94-2215H-10	3305307997	Yes		0
AN-GUDBRANSON-153-94-2215H-11	3305307996	Yes		0
AN-GUDBRANSON-153-94-2215H-12	3305307995	Yes		0
AN-GUDBRANSON-153-94-2215H-8	3305307999	Yes		0
AN-GUDBRANSON-153-94-2215H-9	3305307998	Yes		0
BB-BURK-151-95-1807H-6	3305308165	Yes		0
BB-BURK-151-95-1807H-7	3305308164	Yes		0
BB-BURK-151-95-1807H-8	3305308163	Yes		0
BB-BURK-151-95-1807H-9	3305308162	Yes		0
BB-BURK-LE-151-95-1807H-1	3305308161	Yes		0
BB-CHAPIN-151-95-0506H-10	3305308264	Yes		0
BB-CHAPIN-151-95-0506H-5	3305308259	Yes		0
BB-CHAPIN-151-95-0506H-6	3305308260	Yes		0
BB-CHAPIN-151-95-0506H-7	3305308261	Yes		0
BB-CHAPIN-151-95-0506H-8	3305308262	No	Attached	0
BB-CHAPIN-151-95-0506H-9	3305308263	No	Attached	0
BB-EIDE-151-95-3328H-10	3305308518	No	Attached	0
BB-EIDE-151-95-3328H-11	3305308519	No	Attached	0
BB-EIDE-151-95-3328H-12	3305308520	No	Attached	0
BB-EIDE-151-95-3328H-13	3305308521	No	Attached	0
BB-EIDE-151-95-3328H-8	3305308637	Yes		0
BB-EIDE-151-95-3328H-9	3305308517	Yes		0
BB-FEDERAL A-151-95-0910H-3	3305306524	Yes		0
BB-FEDERAL B-151-95-2122H-10	3305308078	Yes		0
BB-FEDERAL B-151-95-2122H-6	3305308082	No	Attached	0
BB-FEDERAL B-151-95-2122H-7	3305308081	Yes		0
BB-FEDERAL B-151-95-2122H-8	3305308080	Yes		0
BB-FEDERAL B-151-95-2122H-9	3305308079	Yes		0
BB-FEDERAL-151-95-0817H-2	3305306483	No	Attached	0
BB-FEDERAL-151-95-0817H-3	3305306482	No	Attached	0
BB-FEDERAL-151-95-0817H-4	3305306481	No	Attached	0
BB-FEDERAL-151-95-0817H-5	3305306480	No	Attached	0
BB-FEDERAL-151-95-0817H-6	3305306479	No	Attached	0
BL-DOMY-156-95-2932H-10	3310504921	Yes		0

Well Name	API #	Digital Photograph(s) Attached (40 CFR 60.5420a (c)(1)(v))	Flowback Data Report	Duration of Venting (hours) (40 CFR 60.5420a (c)(1)(ii))
BL-DOMY-156-95-2932H-6	3310504917	Yes		0
BL-DOMY-156-95-2932H-7	3310504918	Yes		0
BL-DOMY-156-95-2932H-8	3310504919	Yes		0
BL-DOMY-156-95-2932H-9	3310504920	Yes		0
CA-ANDERSON SMITH-155-96-2635H-2	3310504212	No	Attached	0
CA-ANDERSON SMITH-155-96-2635H-3	3310504213	No	Attached	0
CA-ANDERSON SMITH-155-96-2635H-4	3310504215	No	Attached	0
CA-ANDERSON SMITH-155-96-2635H-5	3310504214	No	Attached	0
CA-ANDERSON SMITH-155-96-2635H-6	3310504216	No	Attached	0
CA-ANDERSON SMITH-LE-155-96-2635H-1	3310504211	No	Attached	0
CA-E BURDICK-155-95-2017H-2	3310504669	Yes		0
CA-E BURDICK-155-95-2017H-3	3310504670	Yes		0
CA-E BURDICK-155-95-2017H-4	3310504671	Yes		0
CA-E BURDICK-155-95-2017H-5	3310504672	Yes		0
CA-E BURDICK-155-95-2017H-6	3310504673	Yes		0
CA-E BURDICK-155-95-2017H-8	3310504518	Yes		0
CA-E BURDICK-LE-155-95-2017H-1	3310504886	No	Attached	0
CA-FERGUSON SMITH-155-95-3031H-5	3310504845	Yes		0
CA-FERGUSON SMITH-155-95-3031H-6	3310504846	Yes		0
CA-FERGUSON SMITH-155-95-3031H-7	3310504847	Yes		0
CA-FERGUSON SMITH-155-95-3031H-8	3310504848	Yes		0
CA-FERGUSON SMITH-LE-155-95-3031H-1	3310504849	Yes		0
CA-STANGELAND-155-95-2128H-4	3310504208	Yes		0
CA-STANGELAND-155-95-2128H-5	3310504207	Yes		0
CA-STANGELAND-155-95-2128H-6	3310504206	Yes		0
CA-STANGELAND-155-95-2128H-7	3310504205	Yes		0
EN-DOBROVOLNY A-155-94-2413H-10	3306104238	Yes		0
EN-DOBROVOLNY A-155-94-2413H-8	3306104240	Yes		0
EN-DOBROVOLNY A-155-94-2413H-9	3306104239	Yes		0
EN-FARHART-156-93-0409H-4	3306104360	Yes		0
EN-FARHART-156-93-0409H-5	3306104359	Yes		0
EN-FARHART-156-93-0409H-6	3306104358	Yes		0
EN-FARHART-156-93-0409H-7	3306104357	Yes		0
EN-JEFFREY-155-94-2215H-4	3306103225	Yes		0
EN-JEFFREY-155-94-2215H-5	3306103226	Yes		0
EN-JEFFREY-155-94-2215H-6	3306103227	Yes		0
EN-JEFFREY-155-94-2215H-7	3306103228	Yes		0
EN-JEFFREY-155-94-2215H-8	3306103229	Yes		0
EN-JEFFREY-155-94-2215H-9	3306103230	Yes		0
EN-KULCZYK-154-94-2029H-11	3306104233	Yes		0
EN-KULCZYK-154-94-2029H-12	3306104234	Yes		0
EN-KULCZYK-154-94-2029H-13	3306104235	Yes		0
EN-KULCZYK-154-94-2029H-2	3306104236	Yes		0
EN-SORENSON A-154-94-0211H-7	3306104208	Yes		0
EN-SORENSON A-154-94-0211H-8	3306104249	Yes		0
EN-SORENSON A-154-94-0211H-9	3306104250	Yes		0
EN-SORENSON A-LE-154-94-0211H-1	3306104206	Yes		0
EN-SORENSON A-LW-154-94-0211H-1	3306104251	Yes		0
EN-SORENSON B-LE-155-94-3526H-1	3306104207	Yes		0
EN-THOMPSON TRUST-154-94-1930H-10	3306103981	Yes		0
EN-THOMPSON TRUST-154-94-1930H-11	3306103982	Yes		0
EN-THOMPSON TRUST-154-94-1930H-7	3306103978	Yes		0
EN-THOMPSON TRUST-154-94-1930H-8	3306103979	Yes		0
EN-THOMPSON TRUST-154-94-1930H-9	3306103980	Yes		0
EN-WEYRAUCH C-154-93-2932H-11	3306103471	Yes		0

Well Name	API #	Digital Photograph(s) Attached (40 CFR 60.5420a (c)(1)(v))	Flowback Data Report	Duration of Venting (hours) (40 CFR 60.5420a (c)(1)(ii))
EN-WEYRAUCH C-154-93-2932H-12	3306103472	Yes		0
GO-BERGSTROM-156-98-2833H-2	3310504720	Yes		0
GO-BERGSTROM-156-98-2833H-3	3310504719	Yes		0
GO-BERGSTROM-156-98-2833H-4	3310504718	Yes		0
GO-BERGSTROM-156-98-2833H-5	3310504717	Yes		0
RS-FLICKERTAIL-156-91-1720H-2	3306104335	Yes		0
RS-FLICKERTAIL-156-91-1720H-3	3306104336	Yes		0
RS-FLICKERTAIL-156-91-1720H-4	3306104337	Yes		0
RS-HOWELL-LW-156-91-1107H-1	3306104150	Yes		0
RS-HOWELL-LW-156-91-1107H-2	3306104149	Yes		0
RS-HOWELL-LW-156-91-1107H-3	3306104148	Yes		0
RS-HOWELL-LW-156-91-1107H-4	3306104147	Yes		0
RS-STATE D-155-92-0203H-2	3306104278	Yes		0
RS-STATE D-155-92-0203H-3	3306104277	Yes		0
RS-STATE D-155-92-0203H-5	3306104275	Yes		0
RS-STATE D-LN-155-92-0203H-1	3306104279	Yes		0
SC-1WX-152-99-0809H-2	3305308166	Yes		0
SC-1WX-152-99-0809H-3	3305308167	Yes		0
SC-1WX-152-99-0809H-4	3305308168	Yes		0
SC-1WX-152-99-0809H-5	3305308169	Yes		0
SC-5WX-152-99-0310H-2	3305308119	Yes		0
SC-5WX-152-99-0310H-3	3305308120	Yes		0
SC-5WX-152-99-0310H-4	3305308121	Yes		0
SC-BARNEY-154-98-1819H-6	3310504990	No	Attached	0
SC-BINGEMAN-154-98-0904H-6	3310503805	Yes		0
SC-GENE-154-98-0805H-3	3310504444	Yes		0
SC-GENE-154-98-0805H-4	3310504443	Yes		0
SC-GENE-154-98-0805H-5	3310504442	Yes		0
SC-GENE-154-98-0805H-6	3310504441	Yes		0
SC-GENE-154-98-0805H-7	3310504787	Yes		0
SC-GENE-154-98-0805H-8	3310504788	Yes		0
SC-GENE-154-98-0805H-9	3310504789	Yes		0
SC-GENE-LE-154-98-0805H-1	3310504790	Yes		0
SC-HOVING-154-98-1003H-2	3310504591	Yes		0
SC-HOVING-154-98-1003H-3	3310504592	Yes		0
SC-HOVING-154-98-1003H-4	3310504593	No	Attached	0
SC-HOVING-LW-154-98-1003H-1	3310503968	Yes		0
SC-JCB-154-98-1720H-3	3310504440	Yes		0
SC-JCB-154-98-1720H-4	3310504439	Yes		0
SC-JCB-154-98-1720H-5	3310504438	Yes		0
SC-JCB-154-98-1720H-6	3310504437	Yes		0
SC-JCB-154-98-1720H-7	3310504791	Yes		0
SC-JCB-154-98-1720H-8	3310504792	Yes		0
SC-JCB-154-98-1720H-9	3310504793	Yes		0
SC-JCB-LE-154-98-1720H-1	3310504794	Yes		0
SC-JCB-LE-154-98-1721H-2	3310504977	Yes		0
SC-TR SLETTE-153-98-1819H-4	3310504581	Yes		0
SC-TR SLETTE-153-98-1819H-5	3310504582	Yes		0
SC-TR SLETTE-153-98-1819H-6	3310504583	Yes		0
SC-TR SLETTE-153-98-1819H-7	3310504584	Yes		0
SC-TR SLETTE-153-98-1819H-8	3310504585	Yes		0
SC-TR SLETTE-LE-153-98-1819H-1	3310504586	Yes		0

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 4/17/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	AN-BOHMBACH-153-94-2734H-6	API#:	3305308607
Coordinates:	LATITUDE/LONGITUDE (b) (9)		

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/17/19 1:30 PM	4/17/19 4:00 PM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/17/19 4:00 PM	4/21/19 8:35 AM	4.76	17.0334

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/17/19 4:00 PM	4/21/19 8:35 AM	0.39	1.3819

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Joshua Turmon	Title:	Site Supervisor		
Email:	joshua.turmon@hessmw.com	Phone:	701-389-2916	Mobile:	701-389-2916

Digital Attachment of equipment layout

(b) (9)

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 4/17/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	AN-BOHMBACH-153-94-2734H-7	API#	33033086[illegible]
Coordinates:	LATITUDE/LONGITUDE (b) (9)		

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/21/19 12:40 PM	4/21/19 1:00 PM	0.00	0.0000

Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/21/19 1:00 PM	4/25/19 7:30 AM	1.91	7.1525

Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/21/19 1:00 PM	4/25/19 7:30 AM	0.57	2.1332

Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (1)					
Name:	Joshua Turmon	Title:	Site Supervisor		
Email:	joshua.turmon@technipfmc.com	Phone:	701-389-9367	Mobile:	701-389-9367

Digital Attachment of equipment layout

(b) (9)

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 4/4/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	AN-BOHMBACH-153-94-2734H-8	API#:	33053094650
Coordinates:	LATITUDE/LONGITUDE: (b) (9)		

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/7/19 4:00 PM	4/8/19 4:00 PM	12.20	11.1829

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/7/19 4:00 PM	4/8/19 4:00 PM	0.00	0.0000

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/8/19 4:00 PM	4/8/19 4:01 PM	0.00	0.0000

Comments: Flare as directed by Lease Operator

Responsible Party (?)

Name:	David Abbott	Title:	Site Supervisor		
Email:	david.abbott@technipfmc.com	Phone:	307-679-4764	Mobile:	307-679-4764

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 4/17/2019

General Information			
Company Name:	Hess Bakken LLC, H		
Lease/Well:	AN-BOHMBACH-153-94-2734H-9	API#	33053089604
Coordinates:	LATITUDE/LONGIT (b) (9)		

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/25/19 2:20 PM	4/25/19 2:53 PM	0.00	0.0000

Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/25/19 2:53 PM	4/30/19 7:21 AM	3.22	15.1426

Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/25/19 2:53 PM	4/30/19 7:21 AM	0.00	0.0000

Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)					
Name:	Joshua Turmon	Title:	Site Supervisor		
Email:	joshua.turmon@technipfmc.com	Phone:	701-389-9367	Mobile:	701-389-9367

Digital Attachment of equipment layout

(b) (9)

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 4/17/2019

General Information

Company Name:	Hess Bakken LLC, II		
Lease/Well:	AN-BOHMBACH-153-94-2734H-10	API#:	3305308603
Coordinates:	LATITUDE/LONGITUDE (b) (9)		

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/2/19 9:00 AM	5/2/19 9:30 AM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/2/19 9:30 AM	5/6/19 7:50 AM	3.44	13.5292

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/2/19 9:30 AM	5/6/19 7:50 AM	0.00	0.0000

Production through Facilities

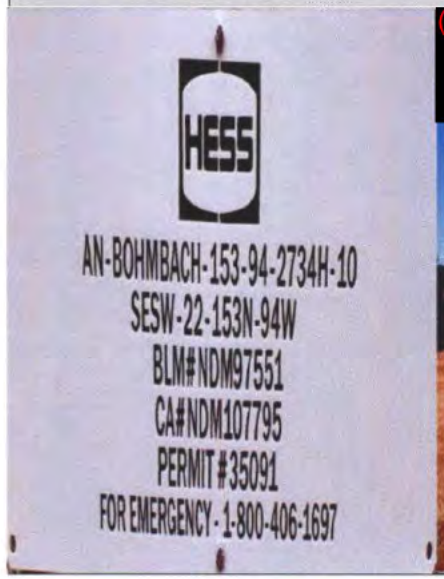
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Joshua Turmon	**Title:**	Site Supervisor		
Email:	joshua.turmon@technipfmc.com	**Phone:**	701-389-9367	**Mobile:**	701-389-9367

Digital Attachment of equipment layout



(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 4/12/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	AN-DINWOODIE-153-94-2833H-4		API 33053077886
Coordinates:	LATITUDE/LONGITUDE:	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/13/19 10:00 AM	4/13/19 1:00 PM	2.30	0.3917
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/13/19 1:00 PM	4/16/19 8:00 AM	0.98	2.6641
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/13/19 1:00 PM	4/16/19 8:00 AM	1.54	4.2295
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (ies)					
Name:	Anthony Vargas	Title:	Site Supervisor		
Email:	avargas@newsita.com	Phone:	701-580-4892	Mobile:	701-580-4892

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 5/2/18 to 5/2/19

Date: 4/12/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	AN-DINWOODIE-153-94-2833H-5		API 3305307687
Coordinates:	LATITUDE/LONGITUDE L	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/16/19 12:00 PM	4/16/19 2:00 PM	0.91	0.0390

Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/16/19 2:00 PM	4/20/19 9:00 AM	1.54	5.7601

Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/16/19 2:00 PM	4/20/19 9:00 AM	0.67	5.2072

Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)					
Name:	Anthony Vargas	Title:	Site Supervisor		
Email:		Phone:	701-500-4892	Mobile:	701-500-4892

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 4/12/2019

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	AN-DINWOODIE-153-94-2833H-6 API: 33053076[redacted]
Coordinates:	LATITUDE/LONGITUDE LA[redacted] (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/20/19 12:00 PM	4/20/19 2:00 PM	2.18	0.0909

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/20/19 2:00 PM	4/24/19 9:00 AM	2.14	8.0970

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/20/19 2:00 PM	4/24/19 9:00 AM	0.64	2.3492

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (ies)

Name:	Anthony Vargas	Title:	Site Supervisor		
Email:	avargas@newsita.com	Phone:	701-500-4892	Mobile:	701-500-4892

Digital Attachment of equipment layout

(b) (9) [redacted]

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 7/28/2019

General Information	
Company Name:	Hess Bakken LLC, II
Lease/Well:	AN-DINWOODIE-153-94-2833H-7 API 3305307889
Coordinates:	LATITUDE/LONGITUDE LAT (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/29/19 11:30 AM	7/29/19 7:00 PM	0.54	0.0451

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/29/19 7:00 PM	8/1/19 8:00 AM	0.00	0.0000

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/29/19 7:00 PM	8/1/19 8:00 AM	1.31	2.7985

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

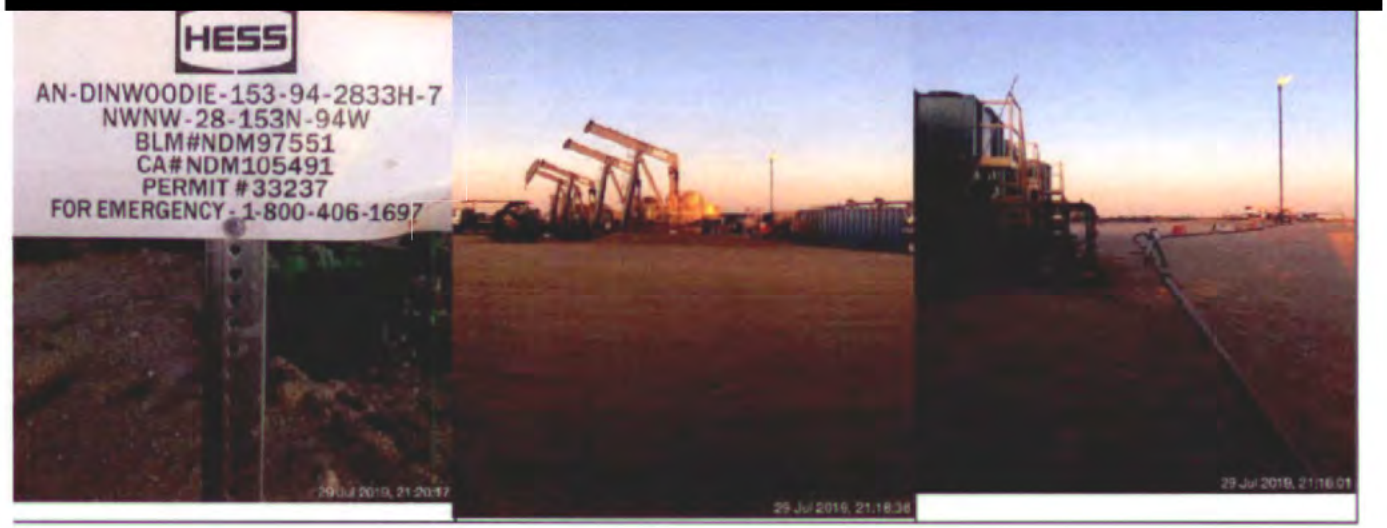
Comments:

Responsible Party (?)

Name:	Anthony Vargas	Title:	Site Supervisor		
Email:	avargas@newhota.com	Phone:	701-500-4891	Mobile:	701-500-4891

Digital Attachment of equipment layout

(b) (9)



HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 4/12/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	AN-DINWOODIE-153-94-2833H-8	API: 3305307980	
Coordinates:	LATITUDE/LONGITUDE LAT (b) (9)		

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/24/19 2:00 PM	4/24/19 5:00 PM	2.20	0.1809
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/24/19 5:00 PM	4/29/19 9:00 AM	2.66	12.5107
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/24/19 5:00 PM	4/29/19 9:00 AM	0.46	2.1205
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments:			

Responsible Party (?)					
Name:	Anthony Vargas	Title:	Site Supervisor		
Email:	avargas@rewkota.com	Phone:	701-500-4892	Mobile:	701-500-4892

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 10/1/2018

General Infomation			
Company Name:	Hess Bakken LLC, II		
Lease/Welk	AN-GUDBRANSON-153-94-2215H-8	API#	33053037999
Coordinates:	LATITUDE/LONGITUDE: (b) (9)		

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/7/18 3:35 PM	10/7/18 6:00 PM	0.00	0.0000

Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/7/18 6:00 PM	10/12/18 8:30 AM	3.35	15.5785

Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/7/18 6:00 PM	10/12/18 8:30 AM	0.00	0.0000

Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments: Flare as directed by Lease Operator. High pipeline pressure 6-18-18 7:00-10:00 PM. Pipeline compressor down.

Responsible Party (?)					
Name:	Alex Feierabend	Title:	Site Supervisor		
Email:	alexander.feierabend@schlumb	Phone:	701-340-3992	Mobile:	701-340-3992

Digital Attachment of equipment layout

(b) (9)

Place picture here

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

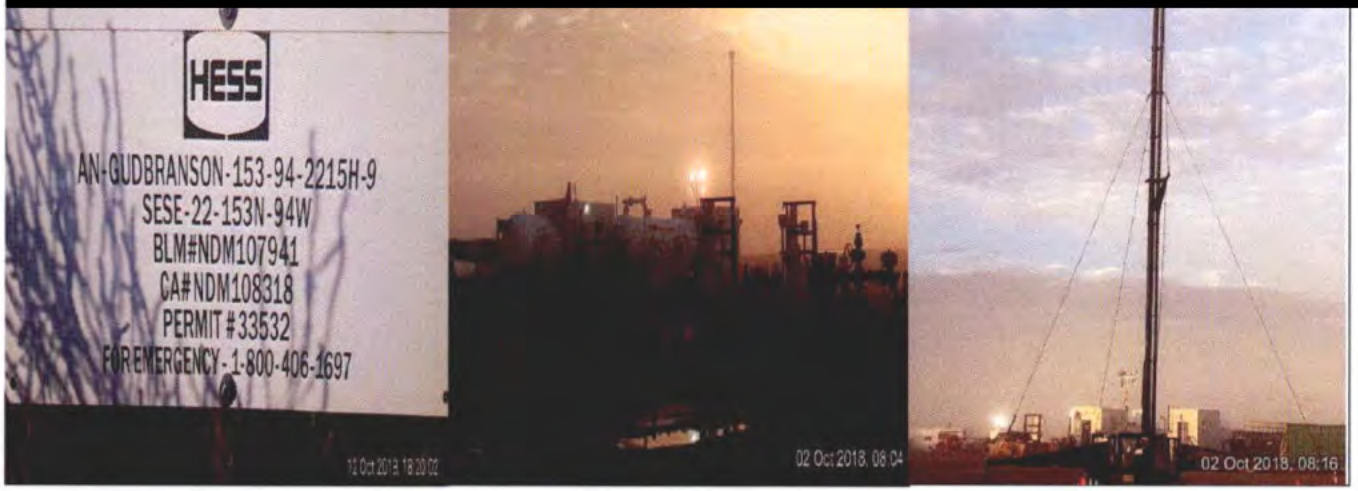
REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 10/1/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	AN-GUDBRANSON-153-94-2215H-9	API 3305307998	
Coordinates:	LATITUDE:/LONGITUDE: (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/12/18 1:30 PM	10/12/18 2:00 PM	0.00	0.0000
Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/12/18 2:00 PM	10/15/18 5:00 PM	1.94	5.9898
Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/12/18 2:00 PM	10/15/18 5:00 PM	0.00	0.0000
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/15/18 5:00 PM	10/16/18 8:45 AM	0.00	0.0000
Comments:	Flare as directed by Lease Operator. High pipeline pressure.6-18-18 7:00-10:00 PM: Pipeline compressor down.		
Responsible Party (?)			
Name:	Alexander Feierabend	**Title:** Site Supervisor	
Email:	Alexander.feierabend@technipfn	**Phone:** 701-389-1428	**Mobile:** 701-389-1428

Digital Attachment of equipment layout

(b) (9)



HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 10/1/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	AN-GUDBRANSON-153-94-2215H-10	API#	3303307907
Coordinates:	LATITUDE/LONGITUDE: (b) (9)		

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/6/18 4:10 PM	10/6/18 5:00 AM	0.00	0.0000

Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/6/18 5:00 AM	10/7/18 8:30 AM	4.48	2.9423

Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/6/18 5:00 AM	10/7/18 8:30 AM	0.00	0.0000

Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments: Flare as directed by Lease Operator. High pipeline pressure 8-18-18 7:00-10:00 PM. Pipeline compressor down.

Responsible Party (?)					
Name:	Chris Smilanov	Title:	Site Supervisor		
Email:	christopher.smilanov@technipfr	Phone:	701-340-3902	Mobile:	701-340-3902

(b) (9)

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 10/1/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	AN-GUDBRANSON-153-94-2215H-10		
Coordinates:	LATITUDE/LONGITUDE (b) (9)		

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/16/18 1:00 PM	10/16/18 3:00 PM	1.74	0.0723
Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/16/18 3:00 PM	10/18/18 6:00 PM	2.31	4.8380
Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/16/18 3:00 PM	10/18/18 6:00 PM	0.00	0.0000
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/18/18 6:00 PM	10/19/18 9:15 AM	0.00	0.0000
Comments:	Flare as directed by Lease Operator. High pipeline pressure 6-18-18 7:00-10:00 PM. Pipeline compressor down.		

Responsible Party (?)					
Name:	Alex Fetsrabend	Title:	Site Supervisor		
Email:	Alexander.fetsrabend@technipfmc.com	Phone:	701-369-1428	Mobile:	701-389-1428

Digital Attachment of equipment layout

(b) (9)

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 10/1/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	AN-GUDBRANSON-153-94-2215H-12	API#	3303307995
Coordinates:	LATITUDE/LONGITUDE (b) (9)		

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/19/18 1:00 PM	10/19/18 2:10 PM	0.00	0.0000

Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/19/18 2:10 PM	10/22/18 9:40 AM	2.92	8.1600

Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/19/18 2:10 PM	10/22/18 9:40 AM	0.00	0.0000

Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments: Flare as directed by Lease Operator. High pipeline pressure 6-18-18 7:00-10:00 PM. Pipeline compressor down.

Responsible Party (?)					
Name:	Alex Feierabend	Title:	Site Supervisor		
Email:	Alexander.feierabend@technigh	Phone:	701-389-1428	Mobile:	701-389-1428

Digital Attachment of equipment layout

(b) (9)

Version 201801025

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY

Company Name	Hess Corp
Well Name	BB-CHAPIN-151-95-0506H-9
API Number	
Area Work Team	D
Field	BB
Formation	TF
Area (Acres)	1280
Date on Location	12/11/2018
Initial Flowback Date	12/12/18 12:00 AM
Flowback Company	TechnipFMC
Responsible Contractor	Reid Collie
Phone Contact	701-509-2742
Initial Shut-in Tubing Pressure (Psi)	PSI

FRAC JOB SUMMARY

Type Frac Job	Hydraulic Frac	
TOTAL Clean Fluid Pumped	136,921	BBLS
TOTAL Sand Pumped	8,393,600	LBS
Proposed # Stages	60	Stages
Effective # Stages	60	Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
Flowback Crew / Hess FB Supervisor
Flowback
Automatic

Event Phase	Date MM/DD/YY TIME	Remarks	Flared Gas Rate (FB) MMscfd	Sales Gas Rate MMscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psi(g)	Choke Size in (#/64)	Duration hrs	Cum Time hrs	Oil Daily bbl/day	Total Fluid bbl/hr	Oil Cum bbl
	12/12/18 0:00 PM	Report start time	0.00	0.00	0	0	2504	0	0.00	0	0.00	0	0
NPT	12/12/18 2:00 PM	Cleaning out TFMC separator and Open Top Tank.	0.00	0.00	0	0	0	0	1.00	0.00	0.00	0.00	0.00
NPT	12/12/18 3:00 PM	Cleaning out TFMC separator and Open Top Tank.	0.00	0.00	0	0	0	0	1.00	1.00	0.00	0.00	0.00
NPT	12/12/18 4:00 PM	Cleaning out TFMC separator and Open Top Tank.	0.00	0.00	0	0	0	0	0.55	2.00	0.00	0.00	0.00
Initial Flowback	12/12/18 4:55 PM	Open well to flow on choke by-pass (2") IOP = 1805 psi(g)	0.00	0.00	0	0	1805	128	0.05	2.92	0.00	0.00	0.00
Initial Flowback	12/12/18 5:00 PM		0.00	0.00	0	7	680	128	1.00	3.00	0.00	7.00	0.00
Initial Production	12/12/18 6:00 PM	(5:11 PM) Gas to surface. Diverted flow through a 24/64 choke and switched from open top tank to TFMC seperator. (5:47 PM) Oil to surface, start sending oil to production.	2.80	0.00	0	31	2504	24	1.00	4.00	0.00	31.00	0.00
Initial Production	12/12/18 7:00 PM	(7:11 PM) Diverted flow through a 28/64 choke	2.96	0.00	25	36	2416	24	1.00	5.00	600.00	61.00	25.00
Initial Production	12/12/18 8:00 PM	Water Weight = 9.8 ppg Oil API = 45.30 @ 60°F	2.86	0.00	100	48	2270	28	1.00	6.00	2400.00	148.00	125.00
Initial Production	12/12/18 9:00 PM	(9:11 PM) Diverted flow through a 32/64 choke	2.83	0.00	78	42	2249	28	1.00	7.00	1872.00	120.00	203.00
Initial Production	12/12/18 10:00 PM		2.46	0.00	106	40	2103	32	1.00	8.00	2544.00	146.00	309.00
Initial Production	12/12/18 11:00 PM	(11:11 PM) Diverted flow through a 36/64 choke	3.35	0.00	101	40	2025	32	1.00	9.00	2424.00	141.00	410.00
Initial Production	12/13/18 12:00 AM	Water Weight = 9.9 ppg Oil API = 43.82 @ 60°F H2S= 0 PPM (12:10 AM) Pulled screen in Debris catcher. sample clean. no debris	3.78	0.00	102	50	1865	36	1.00	10.00	2448.00	152.00	512.00
Initial Production	12/13/18 1:00 AM		3.65	0.00	115	39	1800	36	1.00	11.00	2760.00	154.00	627.00
Initial Production	12/13/18 2:00 AM		3.68	0.00	106	42	1734	36	1.00	12.00	2544.00	148.00	733.00
Initial Production	12/13/18 3:00 AM	(3:30 AM) Pulled screen in Debris catcher. sample clean. no debris	3.47	0.00	100	40	1690	36	1.00	13.00	2400.00	140.00	833.00
Initial Production	12/13/18 4:00 AM	Water Weight = 9.9 ppg Oil API = 45.24 @ 60°F	3.39	0.00	98	52	1627	36	1.00	14.00	2352.00	150.00	931.00
Initial Production	12/13/18 5:00 AM		3.36	0.00	96	35	1581	36	1.00	15.00	2304.00	131.00	1027.00
Initial Production	12/13/18 6:00 AM		3.26	0.00	100	32	1537	36	1.00	16.00	2400.00	132.00	1127.00
Initial Production	12/13/18 7:00 AM		3.18	0.00	75	28	1478	36	1.00	17.00	1800.00	103.00	1202.00
Initial Production	12/13/18 8:00 AM	Water Weight = 9.8 ppg Oil API = 44.26@ 60°F	3.19	0.00	75	34	1459	36	1.00	18.00	1800.00	109.00	1277.00
Initial Production	12/13/18 9:00 AM		3.34	0.00	91	50	1466	36	1.00	19.00	2184.00	141.00	1368.00
Initial Production	12/13/18 10:00 AM		3.01	0.00	92	55	1432	36	1.00	20.00	2208.00	147.00	1460.00
Initial Production	12/13/18 11:00 AM		2.93	0.00	76	39	1416	36	1.00	21.00	1824.00	115.00	1536.00
Initial Production	12/13/18 12:00 PM	Water Weight = 9.96ppg Oil API = 43.92 @ 60°F H2S= 0 PPM	3.02	0.00	101	47	1383	36	1.00	22.00	2424.00	148.00	1637.00
Initial Production	12/13/18 1:00 PM		2.94	0.00	92	36	1360	36	1.00	23.00	2208.00	128.00	1729.00
Initial Production	12/13/18 2:00 PM		2.94	0.00	74	41	1331	36	1.00	24.00	1776.00	115.00	1803.00
Initial Production	12/13/18 3:00 PM		2.92	0.00	84	39	1311	36	1.00	25.00	2016.00	123.00	1887.00
Initial Production	12/13/18 4:00 PM	(3:15 PM) Divert flow through a 38/64" choke. Move to Step #7 on Blue Buttes Revised Flowback Procedure due to low well head pressure. Water Weight = 9.8 ppg Oil API = 44.26@ 60°F	4.00	0.00	90	34	1265	38	1.00	26.00	2160.00	124.00	1977.00
Initial Production	12/13/18 5:00 PM		2.96	0.00	90	31	1261	38	1.00	27.00	2160.00	121.00	2067.00
Initial Production	12/13/18 6:00 PM		2.90	0.00	88	45	1225	38	1.00	28.00	2112.00	133.00	2155.00
Initial Production	12/13/18 7:00 PM		2.86	0.00	85	37	1207	38	1.00	29.00	2040.00	122.00	2240.00
Initial Production	12/13/18 8:00 PM	Water Weight = 9.7 ppg Oil API = 43.49 @ 60°F	2.83	0.00	89	37	1184	38	1.00	30.00	2136.00	126.00	2329.00
Initial Production	12/13/18 9:00 PM		2.80	0.00	87	28	1164	38	1.00	31.00	2088.00	115.00	2416.00
Initial Production	12/13/18 10:00 PM		2.76	0.00	79	33	1142	38	1.00	32.00	1896.00	112.00	2495.00
Initial Production	12/13/18 11:00 PM		2.72	0.00	84	26	1126	38	1.00	33.00	2016.00	110.00	2579.00
Initial Production	12/14/18 12:00 AM	Water Weight = 9.8 ppg Oil API = 45.98 @ 60°F H2S= 0 PPM	2.68	0.00	76	37	1111	38	1.00	34.00	1824.00	113.00	2655.00
Initial Production	12/14/18 1:00 AM		2.65	0.00	90	29	1098	38	1.00	35.00	2160.00	119.00	2745.00
Initial Production	12/14/18 2:00 AM		2.65	0.00	70	29	1079	38	1.00	36.00	1680.00	99.00	2815.00
Initial Production	12/14/18 3:00 AM		2.64	0.00	72	33	1075	38	1.00	37.00	1728.00	105.00	2887.00
Initial Production	12/14/18 4:00 AM	Water Weight = 9.8 ppg Oil API = 45.03 @ 60°F	2.58	0.00	76	30	1061	38	1.00	38.00	1824.00	106.00	2963.00
Initial Production	12/14/18 5:00 AM		2.54	0.00	80	24	1042	38	1.00	39.00	1920.00	104.00	3043.00
Initial Production	12/14/18 6:00 AM		2.53	0.00	68	27	1037	38	1.00	40.00	1632.00	95.00	3111.00
Initial Production	12/14/18 7:00 AM		2.47	0.00	71	24	1036	38	1.00	41.00	1704.00	95.00	3182.00
Initial Production	12/14/18 8:00 AM	Water Weight = 9.8 ppg Oil API = 46.13 @ 60°F	2.44	0.00	75	36	1007	38	1.00	42.00	1800.00	111.00	3257.00
Initial Production	12/14/18 9:00 AM	(8:30 AM) Divert flow through a 36/64" as per Hess Engineering Team request.	2.40	0.00	60	30	1012	36	1.00	43.00	1440.00	90.00	3317.00
Initial Production	12/14/18 10:00 AM	(9:30 AM) Divert flow through a 34/64" as per Hess Engineering Team request.	2.20	0.00	65	28	1029	34	1.00	44.00	1560.00	93.00	3382.00
Initial Production	12/14/18 11:00 AM	(10:30 AM) Divert flow through a 32/64" as per Hess Engineering Team request.	2.06	0.00	60	25	1043	32	1.00	45.00	1440.00	85.00	3442.00
Initial Production	12/14/18 12:00 PM	(11:30 AM) Divert flow through a 30/64" as per Hess Engineering Team request. Water Weight = 9.8 ppg Oil API = 45.98 @ 60°F H2S= 0 PPM	1.85	0.00	51	23	1053	30	1.00	46.00	1224.00	74.00	3493.00
Initial Production	12/14/18 1:00 PM	(12:45 PM) Divert flow through a 28/64" as per Hess Engineering Team request.	1.70	0.00	50	28	1062	28	1.00	47.00	1200.00	78.00	3543.00
Initial Production	12/14/18 2:00 PM	(1:45 PM) Divert flow through a 26/64" as per Hess Engineering Team request.	1.57	0.00	46	30	1064	26	1.00	48.00	1104.00	76.00	3589.00
Initial Production	12/14/18 3:00 PM		1.40	0.00	52	17	1094	26	1.00	49.00	1248.00	69.00	3641.00

Date MM/DD/YY TIME	Oil Cut %	Water Cut %	Water Daily bbl/day	Water Cum bbl	Load Recovery %	Total Liq Cum bbl	Flared Gas Cum MMscf	Sales Gas Cum MMSCF	Total Gas Cum MMSCF	GOR scf/bbl	BFPH/FTP (bbls/psi)	Cum FTPH/FTP (bbl/psi)	TPI (psi/bbl)	BO/Stage (bbls/stg)	SQRT (t) (Hours^0.5)	AWT (F)
12/12/18 0:00 PM	[illegible]	[illegible]		0	0.0%	0	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	0.0	D
12/12/18 2:00 PM	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	0.0	D
12/12/18 3:00 PM	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	1.0	D
12/12/18 4:00 PM	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	1.4	D
12/12/18 4:55 PM	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	1.7	D
12/12/18 5:00 PM	0.00%	100.00%	168.00	7.00	0.0%	7.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	1.7	D
12/12/18 6:00 PM	0.00%	100.00%	744.00	38.00	0.0%	38.00	0.12	0.00	0.12	[illegible]	0.0	0.0	[illegible]	0.0	2.0	D
12/12/18 7:00 PM	40.98%	59.02%	864.00	74.00	0.1%	99.00	0.24	0.00	0.24	4933.333333	0.0	0.0	0.1	10.0	2.2	D
12/12/18 8:00 PM	67.57%	32.43%	1152.00	122.00	0.1%	247.00	0.36	0.00	0.36	1191.666667	0.1	0.1	0.1	40.0	2.4	D
12/12/18 9:00 PM	65.00%	35.00%	1008.00	164.00	0.1%	367.00	0.48	0.00	0.48	1511.752137	0.1	0.2	0.1	31.2	2.6	D
12/12/18 10:00 PM	72.60%	27.40%	960.00	204.00	0.1%	513.00	0.58	0.00	0.58	966.9811321	0.1	0.2	0.2	42.4	2.8	D
12/12/18 11:00 PM	71.63%	28.37%	960.00	244.00	0.2%	654.00	0.72	0.00	0.72	1382.013201	0.1	0.3	0.3	40.4	3.0	D
12/13/18 12:00 AM	67.11%	32.89%	1200.00	294.00	0.2%	806.00	0.88	0.00	0.88	1544.117647	0.1	0.4	0.3	40.8	3.2	D
12/13/18 1:00 AM	74.68%	25.32%	936.00	333.00	0.2%	960.00	1.03	0.00	1.03	1322.463768	0.1	0.5	0.3	46.0	3.3	D
12/13/18 2:00 AM	71.62%	28.38%	1008.00	375.00	0.3%	1108.00	1.18	0.00	1.18	1446.540881	0.1	0.6	0.3	42.4	3.5	D
12/13/18 3:00 AM	71.43%	28.57%	960.00	415.00	0.3%	1248.00	1.33	0.00	1.33	1445.833333	0.1	0.7	0.3	40.0	3.6	D
12/13/18 4:00 AM	65.33%	34.67%	1248.00	467.00	0.3%	1398.00	1.47	0.00	1.47	1441.326531	0.1	0.8	0.4	39.2	3.7	D
12/13/18 5:00 AM	73.28%	26.72%	840.00	502.00	0.4%	1529.00	1.61	0.00	1.61	1458.333333	0.1	1.0	0.4	38.4	3.9	D
12/13/18 6:00 AM	75.76%	24.24%	768.00	534.00	0.4%	1661.00	1.74	0.00	1.74	1358.333333	0.1	1.1	0.4	40.0	4.0	D
12/13/18 7:00 AM	72.82%	27.18%	672.00	562.00	0.4%	1764.00	1.88	0.00	1.88	1766.666667	0.1	1.2	0.6	30.0	4.1	D
12/13/18 8:00 AM	68.81%	31.19%	816.00	596.00	0.4%	1873.00	2.01	0.00	2.01	1772.222222	0.1	1.3	0.6	30.0	4.2	D
12/13/18 9:00 AM	64.54%	35.46%	1200.00	646.00	0.5%	2014.00	2.15	0.00	2.15	1529.304029	0.1	1.4	0.5	36.4	4.4	D
12/13/18 10:00 AM	62.59%	37.41%	1320.00	701.00	0.5%	2161.00	2.27	0.00	2.27	1363.224638	0.1	1.5	0.5	36.8	4.5	D
12/13/18 11:00 AM	66.09%	33.91%	936.00	740.00	0.5%	2276.00	2.40	0.00	2.40	1606.359649	0.1	1.6	0.6	30.4	4.6	D
12/13/18 12:00 PM	68.24%	31.76%	1128.00	787.00	0.6%	2424.00	2.52	0.00	2.52	1245.874587	0.1	1.8	0.5	40.4	4.7	D
12/13/18 1:00 PM	71.88%	28.13%	864.00	823.00	0.6%	2552.00	2.64	0.00	2.64	1331.521739	0.1	1.9	0.5	36.8	4.8	D
12/13/18 2:00 PM	64.35%	35.65%	984.00	864.00	0.6%	2667.00	2.77	0.00	2.77	1655.405405	0.1	2.0	0.7	29.6	4.9	D
12/13/18 3:00 PM	68.29%	31.71%	936.00	903.00	0.7%	2790.00	2.89	0.00	2.89	1448.412698	0.1	2.1	0.6	33.6	5.0	D
12/13/18 4:00 PM	72.58%	27.42%	816.00	937.00	0.7%	2914.00	3.06	0.00	3.06	1851.851852	0.1	2.3	0.6	36.0	5.1	D
12/13/18 5:00 PM	74.38%	25.62%	744.00	968.00	0.7%	3035.00	3.18	0.00	3.18	1370.37037	0.1	2.4	0.6	36.0	5.2	D
12/13/18 6:00 PM	66.17%	33.83%	1080.00	1013.00	0.7%	3168.00	3.30	0.00	3.30	1373.106061	0.1	2.6	0.6	35.2	5.3	D
12/13/18 7:00 PM	69.67%	30.33%	888.00	1050.00	0.8%	3290.00	3.42	0.00	3.42	1401.960784	0.1	2.7	0.6	34.0	5.4	D
12/13/18 8:00 PM	70.63%	29.37%	888.00	1087.00	0.8%	3416.00	3.54	0.00	3.54	1324.906367	0.1	2.9	0.6	35.6	5.5	D
12/13/18 9:00 PM	75.65%	24.35%	672.00	1115.00	0.8%	3531.00	3.65	0.00	3.65	1340.996169	0.1	3.0	0.6	34.8	5.6	D
12/13/18 10:00 PM	70.54%	29.46%	792.00	1148.00	0.8%	3643.00	3.77	0.00	3.77	1455.696203	0.1	3.2	0.7	31.6	5.7	D
12/13/18 11:00 PM	76.36%	23.64%	624.00	1174.00	0.9%	3753.00	3.88	0.00	3.88	1349.206349	0.1	3.3	0.7	33.6	5.7	D
12/14/18 12:00 AM	67.26%	32.74%	888.00	1211.00	0.9%	3866.00	3.99	0.00	3.99	1469.298246	0.1	3.5	0.8	30.4	5.8	D
12/14/18 1:00 AM	75.63%	24.37%	696.00	1240.00	0.9%	3985.00	4.10	0.00	4.10	1226.851852	0.1	3.6	0.7	36.0	5.9	D
12/14/18 2:00 AM	70.71%	29.29%	696.00	1269.00	0.9%	4084.00	4.21	0.00	4.21	1577.380952	0.1	3.8	0.8	28.0	6.0	D
12/14/18 3:00 AM	68.57%	31.43%	792.00	1302.00	1.0%	4189.00	4.32	0.00	4.32	1527.777778	0.1	3.9	0.8	28.8	6.1	D
12/14/18 4:00 AM	71.70%	28.30%	720.00	1332.00	1.0%	4295.00	4.43	0.00	4.43	1414.473684	0.1	4.0	0.8	30.4	6.2	D
12/14/18 5:00 AM	76.92%	23.08%	576.00	1356.00	1.0%	4399.00	4.54	0.00	4.54	1322.916667	0.1	4.2	0.8	32.0	6.2	D
12/14/18 6:00 AM	71.58%	28.42%	648.00	1383.00	1.0%	4494.00	4.64	0.00	4.64	1550.245098	0.1	4.3	0.9	27.2	6.3	D
12/14/18 7:00 AM	74.74%	25.26%	576.00	1407.00	1.0%	4589.00	4.75	0.00	4.75	1449.530516	0.1	4.4	0.9	28.4	6.4	D
12/14/18 8:00 AM	67.57%	32.43%	864.00	1443.00	1.1%	4700.00	4.85	0.00	4.85	1355.555556	0.1	4.7	0.8	30.0	6.5	D
12/14/18 9:00 AM	66.67%	33.33%	720.00	1473.00	1.1%	4790.00	4.95	0.00	4.95	1666.666667	0.1	4.7	1.0	24.0	6.6	D
12/14/18 10:00 AM	69.89%	30.11%	672.00	1501.00	1.1%	4883.00	5.04	0.00	5.04	1410.25641	0.1	4.7	0.9	26.0	6.6	D
12/14/18 11:00 AM	70.59%	29.41%	600.00	1526.00	1.1%	4968.00	5.12	0.00	5.12	1430.555556	0.1	4.8	1.0	24.0	6.7	D
12/14/18 12:00 PM	68.92%	31.08%	552.00	1549.00	1.1%	5042.00	5.20	0.00	5.20	1511.437908	0.1	4.8	1.3	20.4	6.8	D
12/14/18 1:00 PM	64.10%	35.90%	672.00	1577.00	1.2%	5120.00	5.27	0.00	5.27	1416.666667	0.1	4.8	1.2	20.0	6.9	D
12/14/18 2:00 PM	60.53%	39.47%	720.00	1607.00	1.2%	5196.00	5.34	0.00	5.34	1422.101449	0.1	4.9	1.3	18.4	6.9	D
12/14/18 3:00 PM	75.36%	24.64%	408.00	1624.00	1.2%	5265.00	5.40	0.00	5.40	1121.794872	0.1	4.8	1.1	20.8	7.0	D

Initial Production	12/14/18 4:00 PM	Water Weight = 9.8 ppg Oil API = 46.13 @ 60°F	1.42	0.00	38	20	1091	28	1.00	50.00	912.00	58.00	3679.00	65.52%	34.48%	480.00	1644.00	1.2%	5323.00	5.46	0.00	5.46	1557.017544	0.1	4.9	1.5	15.2	7.1	D
Well Shut in	12/14/18 5:00 PM	Shut-in well monitor off set pressures	1.39	0.00	42	15	1107	28	1.00	51.00	1008.00	57.00	3721.00	73.68%	26.32%	360.00	1659.00	1.2%	5380.00	5.51	0.00	5.51	1378.968254	0.1	4.9	1.4	19.8	7.1	D
NPT	12/14/18 6:00 PM	Shut-in well monitor off set pressures. As instructed Hess rep Kirk Schaub	0.00	0.00	0	0	1332	0	1.00	52.00	0.00	0.00	3721.00	[illegible]	[illegible]	0.00	1659.00	1.2%	5380.00	5.51	0.00	5.51	[illegible]	0.0	4.0	[illegible]	0.0	7.2	D
NPT	12/14/18 7:00 PM	Shut-in well monitor off set pressures. As instructed Hess rep Kirk Schaub	0.00	0.00	0	0	1420	0	1.00	53.00	0.00	0.00	3721.00	[illegible]	[illegible]	0.00	1659.00	1.2%	5380.00	5.51	0.00	5.51	[illegible]	0.0	3.8	[illegible]	0.0	7.3	D
NPT	12/14/18 8:00 PM	Shut-in well monitor off set pressures. As instructed Hess rep Kirk Schaub	0.00	0.00	0	0	1488	0	1.00	54.00	0.00	0.00	3721.00	[illegible]	[illegible]	0.00	1659.00	1.2%	5380.00	5.51	0.00	5.51	[illegible]	0.0	3.6	[illegible]	0.0	7.3	D
NPT	12/14/18 9:00 PM	Shut-in well monitor off set pressures. As instructed Hess rep Kirk Schaub	0.00	0.00	0	0	1553	0	1.00	55.00	0.00	0.00	3721.00	[illegible]	[illegible]	0.00	1659.00	1.2%	5380.00	5.51	0.00	5.51	[illegible]	0.0	3.5	[illegible]	0.0	7.4	D
NPT	12/14/18 10:00 PM	Shut-in well monitor off set pressures. As instructed Hess rep Kirk Schaub	0.00	0.00	0	0	1583	0	1.00	56.00	0.00	0.00	3721.00	[illegible]	[illegible]	0.00	1659.00	1.2%	5380.00	5.51	0.00	5.51	[illegible]	0.0	3.4	[illegible]	0.0	7.5	D
NPT	12/14/18 11:00 PM	Shut-in well monitor off set pressures. As instructed Hess rep Kirk Schaub	0.00	0.00	0	0	1631	0	1.00	57.00	0.00	0.00	3721.00	[illegible]	[illegible]	0.00	1659.00	1.2%	5380.00	5.51	0.00	5.51	[illegible]	0.0	3.3	[illegible]	0.0	7.5	D
NPT	12/15/18 12:00 AM	Shut-in well monitor off set pressures. As instructed Hess rep Kirk Schaub	0.00	0.00	0	0	1668	0	1.00	58.00	0.00	0.00	3721.00	[illegible]	[illegible]	0.00	1659.00	1.2%	5380.00	5.51	0.00	5.51	[illegible]	0.0	3.2	[illegible]	0.0	7.6	D
NPT	12/15/18 1:00 AM	Shut-in well monitor off set pressures. As instructed Hess rep Kirk Schaub	0.00	0.00	0	0	1698	0	1.00	59.00	0.00	0.00	3721.00	[illegible]	[illegible]	0.00	1659.00	1.2%	5380.00	5.51	0.00	5.51	[illegible]	0.0	3.2	[illegible]	0.0	7.7	D
NPT	12/15/18 2:00 AM	Shut-in well monitor off set pressures. As instructed Hess rep Kirk Schaub	0.00	0.00	0	0	1730	0	1.00	60.00	0.00	0.00	3721.00	[illegible]	[illegible]	0.00	1659.00	1.2%	5380.00	5.51	0.00	5.51	[illegible]	0.0	3.1	[illegible]	0.0	7.7	D
NPT	12/15/18 3:00 AM	Shut-in well monitor off set pressures. As instructed Hess rep Kirk Schaub	0.00	0.00	0	0	1757	0	1.00	61.00	0.00	0.00	3721.00	[illegible]	[illegible]	0.00	1659.00	1.2%	5380.00	5.51	0.00	5.51	[illegible]	0.0	3.1	[illegible]	0.0	7.8	D
NPT	12/15/18 4:00 AM	Shut-in well monitor off set pressures. As instructed Hess rep Kirk Schaub	0.00	0.00	0	0	1783	0	1.00	62.00	0.00	0.00	3721.00	[illegible]	[illegible]	0.00	1659.00	1.2%	5380.00	5.51	0.00	5.51	[illegible]	0.0	3.0	[illegible]	0.0	7.9	D
NPT	12/15/18 5:00 AM	Shut-in well monitor off set pressures. As instructed Hess rep Kirk Schaub	0.00	0.00	0	0	1809	0	1.00	63.00	0.00	0.00	3721.00	[illegible]	[illegible]	0.00	1659.00	1.2%	5380.00	5.51	0.00	5.51	[illegible]	0.0	3.0	[illegible]	0.0	7.9	D
NPT	12/15/18 6:00 AM	Shut-in well monitor off set pressures. As instructed Hess rep Kirk Schaub	0.00	0.00	0	0	1847	0	1.00	64.00	0.00	0.00	3721.00	[illegible]	[illegible]	0.00	1659.00	1.2%	5380.00	5.51	0.00	5.51	[illegible]	0.0	2.9	[illegible]	0.0	8.0	D
NPT	12/15/18 7:00 AM	Shut-in well monitor off set pressures. As instructed Hess rep Kirk Schaub	0.00	0.00	0	0	1866	0	0.98	65.00	0.00	0.00	3721.00	[illegible]	[illegible]	0.00	1659.00	1.2%	5380.00	5.51	0.00	5.51	[illegible]	0.0	2.9	[illegible]	0.0	8.1	D
NPT	12/15/18 7:59 AM	Shut-in well monitor off set pressures. As instructed Hess rep Kirk Schaub	0.00	0.00	0	0		0	0.01	65.98	0.00	0.00	3721.00	[illegible]	[illegible]	0.00	1659.00	1.2%	5380.00	5.51	0.00	5.51	[illegible]	[illegible]	[illegible]	[illegible]	0.0	8.1	D
Initial Production	12/15/18 8:00 AM	Open well to flow on 28/64" choke. IOP = 1811 psi(a)	0.00	0.00	0	0	1811	28	1.00	66.00	0.00	0.00	3721.00	[illegible]	[illegible]	0.00	1659.00	1.2%	5380.00	5.51	0.00	5.51	[illegible]	0.0	3.0	[illegible]	0.0	8.1	D
Initial Production	12/15/18 9:00 AM	(8:30 AM) Divert flow through a 32/64" choke.	1.75	0.00	93	5	1070	32	1.00	67.00	2232.00	98.00	3814.00	94.90%	5.10%	120.00	1664.00	1.2%	5478.00	5.59	0.00	5.59	764.0501792	0.1	5.1	0.6	37.2	8.2	D
Initial Production	12/15/18 10:00 AM	(9:01 AM) Diver flow through 30/64" choke. (9:30 AM) Divert flow through 38/64" choke	3.12	0.00	81	59	1253	38	1.00	68.00	1944.00	140.00	3895.00	57.86%	42.14%	1416.00	1723.00	1.3%	5618.00	5.72	0.00	5.72	1604.938272	0.1	4.5	0.6	32.4	8.2	D
Initial Production	12/15/18 11:00 AM		3.04	0.00	90	48	1196	38	1.00	69.00	2160.00	138.00	3985.00	65.22%	34.78%	1152.00	1771.00	1.3%	5756.00	5.84	0.00	5.84	1407.407407	0.1	4.8	0.6	36.0	8.3	D
Initial Production	12/15/18 12:00 PM	Water Weight = 9.8 ppg Oil API = 44.07 @ 60°F H2S= 0 PPM	2.88	0.00	80	39	1142	38	1.00	70.00	1920.00	119.00	4065.00	67.23%	32.77%	936.00	1810.00	1.3%	5875.00	5.95	0.00	5.95	1395.833333	0.1	5.1	0.7	32.0	8.4	D
Initial Production	12/15/18 1:00 PM	(12:30 PM) Divert flow through a 36/64" choke	2.63	0.00	75	40	1113	36	1.00	71.00	1800.00	115.00	4140.00	65.22%	34.78%	960.00	1850.00	1.4%	5990.00	6.06	0.00	6.06	1461.111111	0.1	5.4	0.8	30.0	8.4	D
Initial Production	12/15/18 2:00 PM	(1:30 PM) Divert flow through a 34/64" choke.	2.24	0.00	70	31	1096	34	1.00	72.00	1680.00	101.00	4210.00	69.31%	30.69%	744.00	1881.00	1.4%	6091.00	6.18	0.00	6.18	1333.333333	0.1	5.6	0.8	28.0	8.5	D
Initial Production	12/15/18 3:00 PM	(2:30 PM) Divert flow through a 32/64" choke.	2.32	0.00	61	31	1063	32	1.00	73.00	1464.00	92.00	4271.00	66.30%	33.70%	744.00	1912.00	1.4%	6183.00	6.25	0.00	6.25	1584.699454	0.1	5.7	1.0	24.4	8.5	D
Initial Production	12/15/18 4:00 PM	Water Weight = 9.8 ppg Oil API = 46.57 @ 60°F	2.14	0.00	59	36	1086	32	1.00	74.00	1416.00	95.00	4330.00	62.11%	37.89%	864.00	1948.00	1.4%	6278.00	6.34	0.00	6.34	1511.299435	0.1	5.8	1.0	23.6	8.6	D
Initial Production	12/15/18 5:00 PM	(4:30 PM) Divert flow through a 30/64" choke.	1.67	0.00	55	28	1087	30	1.00	75.00	1320.00	83.00	4385.00	66.27%	33.73%	672.00	1976.00	1.4%	6361.00	6.42	0.00	6.42	1416.666667	0.1	5.9	1.1	22.0	8.7	D
Initial Production	12/15/18 6:00 PM	(5:00 PM) Started sending water to production. (5:30 PM) Diverted flow through a 28/64 choke	0.75	0.00	66	0	1098	28	1.00	76.00	1584.00	66.00	4451.00	100.00%	0.00%	0.00	1976.00	1.4%	6427.00	6.48	0.00	6.48	473.4848485	0.1	5.9	0.9	26.4	8.7	D
Initial Production	12/15/18 7:00 PM	(6:30 PM) Diverted flow through a 26/64 choke	1.50	0.00	52	0	1103	28	1.00	77.00	1248.00	52.00	4503.00	100.00%	0.00%	0.00	1976.00	1.4%	6479.00	6.52	0.00	6.52	1282.051282	0.0	5.9	1.1	20.8	8.8	D
Initial Production	12/15/18 8:00 PM	Water Weight = 9.8 ppg Oil API = 46.50 @ 60°F	1.47	0.00	46	5	1112	28	1.00	78.00	1104.00	51.00	4548.00	90.20%	9.80%	120.00	1981.00	1.4%	6530.00	6.58	0.00	6.58	1331.521739	0.0	5.9	1.2	18.4	8.8	D
Initial Production	12/15/18 9:00 PM		1.47	0.00	41	15	1104	28	1.00	79.00	984.00	56.00	4590.00	73.21%	26.79%	360.00	1996.00	1.5%	6586.00	6.64	0.00	6.64	1493.902439	0.1	6.0	1.4	16.4	8.9	D
Initial Production	12/15/18 10:00 PM		1.46	0.00	41	16	1102	28	1.00	80.00	984.00	57.00	4631.00	71.93%	28.07%	384.00	2012.00	1.5%	6643.00	6.70	0.00	6.70	1483.739837	0.1	6.0	1.4	16.4	8.9	D
Initial Production	12/15/18 11:00 PM		1.45	0.00	44	19	1103	28	1.00	81.00	1056.00	63.00	4675.00	69.84%	30.16%	456.00	2031.00	1.5%	6706.00	6.76	0.00	6.76	1373.106061	0.1	6.1	1.3	17.6	9.0	D
Initial Production	12/16/18 12:00 AM	Water Weight = 9.8 ppg Oil API = 46.87 @ 60°F H2S= 0 PPM	1.43	0.00	41	16	1102	28	1.00	82.00	984.00	57.00	4716.00	71.93%	28.07%	384.00	2047.00	1.5%	6763.00	6.82	0.00	6.82	1453.252033	0.1	6.1	1.4	16.4	9.1	D
Initial Production	12/16/18 1:00 AM		1.43	0.00	31	12	1115	28	1.00	83.00	744.00	43.00	4747.00	72.09%	27.91%	288.00	2059.00	1.5%	6806.00	6.88	0.00	6.88	1922.043011	0.0	6.1	1.9	12.4	9.1	D
Initial Production	12/16/18 2:00 AM		1.44	0.00	39	16	1099	28	1.00	84.00	936.00	55.00	4786.00	70.91%	29.09%	384.00	2075.00	1.5%	6861.00	6.94	0.00	6.94	1538.461538	0.1	6.2	1.5	15.6	9.2	D
Initial Production	12/16/18 3:00 AM		1.40	0.00	39	16	1096	28	1.00	85.00	936.00	55.00	4825.00	70.91%	29.09%	384.00	2091.00	1.5%	6918.00	7.00	0.00	7.00	1495.726496	0.1	6.3	1.5	15.6	9.2	D
Initial Production	12/16/18 4:00 AM	Water Weight = 9.8 ppg Oil API = 46.94 @ 60°F	1.39	0.00	40	17	1095	28	1.00	86.00	960.00	57.00	4865.00	70.18%	29.82%	408.00	2108.00	1.5%	6973.00	7.06	0.00	7.06	1447.916667	0.1	6.4	1.5	16.0	9.3	D
Initial Production	12/16/18 5:00 AM		1.41	0.00	40	17	1091	28	1.00	87.00	960.00	57.00	4905.00	70.18%	29.82%	408.00	2125.00	1.6%	7030.00	7.12	0.00	7.12	1466.75	0.1	6.4	1.5	16.0	9.3	D
Initial Production	12/16/18 6:00 AM		1.45	0.00	34	15	1085	28	1.00	88.00	816.00	49.00	4939.00	69.39%	30.61%	360.00	2140.00	1.6%	7079.00	7.18	0.00	7.18	1776.960784	0.0	6.5	1.7	13.6	9.4	D
Initial Production	12/16/18 7:00 AM		1.42	0.00	42	20	1076	28	1.00	89.00	1008.00	62.00	4981.00	67.74%	32.26%	480.00	2160.00	1.6%	7141.00	7.24	0.00	7.24	1408.730159	0.1	6.6	1.4	16.8	9.4	D
Initial Production	12/16/18 8:00 AM	Water Weight = 9.8 ppg Oil API = 46.71 @ 60°F	1.24	0.00	40	14	1064	28	1.00	90.00	960.00	54.00	5021.00	74.07%	25.93%	336.00	2174.00	1.6%	7195.00	7.29	0.00	7.29	1291.666667	0.0	6.6	1.5	16.0	9.5	D
Initial Production	12/16/18 9:00 AM		1.37	0.00	38	15	1076	28	0.00	91.00	912.00	53.00	5059.00	71.70%	28.30%	360.00	2189.00	1.6%	7248.00	7.35	0.00	7.35	1502.192982	0.0	6.7	1.6	15.2	9.5	D

Version 20190404

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY

Company Name	Hess Corporation
Well Name	BB-FEDERAL-151-95-0817H-2
API Number	
Area Work Team	D
Field	BB
Formation	MB
Area (Acres)	1280
Date on Location	6/1/2019
Initial Flowback Date	6/16/19 12:00 PM
Flowback Company	TechnipFMC
Responsible Contractor	Joshua Turmon
Phone Contact	701-389-9367
Initial Shut-in Tubing Pressure (Psi)	3,850 PSI

FRAC JOB SUMMARY

Type Frac Job	Hydraulic Frac	
TOTAL Clean Fluid Pumped	158,271	BBLS
TOTAL Sand Pumped	10,023,462	LBS
Proposed # Stages	31	Stages
Effective # Stages	31	Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
Flowback Crew / Hess FB Supervisor
Flowback
Automatic

Event Phase	Date MM/DD/YY TIME	Remarks	Flared Gas Rate (FB) MMscfd	Sales Gas Rate MMscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psi(g)	Choke Size in (# /64)	Duration hrs	Cum Time hrs	Oil Daily bbl/day	Total Fluid bbl/hr	Oil Cum bbl	Oil Cut %	Water Cut %	Water Daily bbl/day	Water Cum bbl	Load Recovery %	Total Liq Cum bbl	Flared Gas Cum MMscf	Sales Gas Cum MMSCF	Total Gas Cum MMSCF	GOR scf/bbl	BFPH/FTP (bbls/psi)	Cum FTPH/FTP (bbl/psi)	1/PI (psi/bbl)	BO/Stage (bbls/stg)	SQRT (t) (Hours^0.5)
	6/15/19 7:00 PM	Report start time	0.00	0.00	0	0	3850	0	0.00	0	0.00	0	0			0	0	0.0%	0	0.00	0.00	0.00		0.0	0.0		0.0	0.0
Standard Work	6/15/19 10:00 AM	(10:01) TFMC Begin RDMO to H2							1:00	0.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	0.0
Standard Work	6/15/19 11:00 AM	(11:30) TFMC Completes RDMO, Fill lines for Pressure Testing.							1:00	1.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	1.0
Standard Work	6/15/19 12:00 PM	(12:00) Arp Testing arrives on location. Begins High Pressure test on 2" 1502 Line. (12:10) Pressure test pass. (12:15) Begins Low Pressure test on 3" 206 line. (12:25) Pressure test pass/complete. (12:30) TFMC begins maintenance and completes checklists before opening.							1:00	2.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	1.4
Standard Work	6/15/19 1:00 PM	(1:10) Intermediate casing began to rise to 1500 psi(g).TFMC bleeds off to open top. (1:50) Casing bled off to 0 psi(g)							1:00	3.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	1.7
Initial Flowback	6/15/19 2:00 PM	(2:00) Open well to flow on a 24/64" choke with an IOP of 3,850 psi(g) to HB0880. Immediate Gas and Oil to surface					3850	24	0.05	4.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	2.0
Initial Production	6/15/19 2:05 PM	(2:05) Oil to Production on a 24/64" choke with a WHP of 2,735 psi(g)					2735	24	0:55	4.08	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	2.0
Initial Production	6/15/19 3:00 PM		2.40	0.00	1	35	2507	24	1:00	5.00	24.00	36.00	1.00	2.78%	97.22%	840.00	35.00	0.0%	36.00	0.10	0.00	0.10	100000	0.0	0.0	56.0	0.8	2.2
Initial Production	6/15/19 4:00 PM	(4:00) Increase choke to 28/64" Water Weight = 9.8 ppg Oil Api = 46.53 @ 60°F	2.19	0.74	97	54	3114	24	1:00	6.00	2328.00	151.00	98.00	64.24%	35.76%	1296.00	89.00	0.1%	187.00	0.19	0.03	0.22	1257.731959	0.0	0.1	0.3	75.1	2.4
Initial Production	6/15/19 5:00 PM		2.50	0.80	118	43	2645	28	1:00	7.00	2832.00	161.00	216.00	73.29%	26.71%	1032.00	132.00	0.1%	348.00	0.30	0.06	0.35	1096.046198	0.1	0.1	0.4	91.4	2.6
Initial Production	6/15/19 6:00 PM	(6:00) Increase choke to 32/64"	3.46	0.00	131	46	2488	28	1:00	8.00	3144.00	177.00	347.00	74.01%	25.99%	1104.00	178.00	0.1%	525.00	0.44	0.06	0.50	1105.670229	0.1	0.2	0.4	101.4	2.8
Initial Production	6/15/19 7:00 PM		4.35	0.00	130	34	2607	32	1:00	9.00	3120.00	164.00	477.00	79.27%	20.73%	816.00	212.00	0.1%	689.00	0.62	0.06	0.68	1394.230769	0.1	0.3	0.4	100.6	3.0
Initial Production	6/15/19 8:00 PM	(8:00) Increase choke to 36/64" Water Weight = 9.9 ppg Oil Api = 44.62 @ 60°F	4.65	0.00	163	43	2700	32	1:00	10.00	3912.00	206.00	640.00	79.13%	20.87%	1032.00	256.60	0.2%	895.00	0.82	0.06	0.87	1186.650307	0.1	0.3	0.3	126.2	3.2
Initial Production	6/15/19 9:00 PM		5.31	0.00	174	40	2527	36	0:06	11.00	4176.00	214.00	814.00	81.31%	18.69%	960.00	296.60	0.2%	1109.00	1.04	0.06	1.09	1271.551724	0.1	0.4	0.3	134.7	3.3
Well Shut in	6/15/19 9:06 PM	SIWP 3412					3412		0:01	11.10	0.00	0.00	814.00			0.00	296.60	0.2%	1109.00	1.04	0.06	1.09		0.0	0.3		0.0	3.3
NPT	6/15/19 9:07 PM	Blue Light/High Level Alarm Production Tester, Production working on clearing salt blockage from Oil Dump							0:28	11.12	0.00	0.00	814.00			0.00	296.60	0.2%	1109.00	1.04	0.06	1.09					0.0	3.3
Initial Production	6/15/19 9:35 PM	Open to Flow to HS-0088 on a 32/64 Choke at 3,400 PSIG					3400		0:25	11.58	0.00	0.00	814.00			0.00	296.60	0.2%	1109.00	1.04	0.06	1.09		0.0	0.3		0.0	3.4
Initial Production	6/16/19 10:00 PM		4.37	0.00	110	31	2639	32	1:00	12.00	2640.00	141.00	924.00	78.01%	21.99%	744.00	326.60	0.2%	1250.00	1.22	0.06	1.27	1655.30303	0.1	0.5	0.5	85.2	3.5
Initial Production	6/16/19 11:00 PM	(23:54) Increase choke to 34/64"	4.87	0.00	161	36	2756	32	1:00	13.00	3864.00	197.00	1085.00	81.73%	18.27%	864.00	362.60	0.2%	1447.00	1.42	0.06	1.48	1260.351967	0.1	0.5	0.3	124.6	3.6
Initial Production	6/17/19 12:00 AM	(12:45) Decrease choke to 32/64" Water Weight = 9.8 ppg Oil Api = 45.15 @ 60°F H2S = 0%	5.07	0.00	185	36	2638	34	1:00	14.00	4440.00	221.00	1270.00	83.71%	16.29%	864.00	398.60	0.3%	1668.00	1.63	0.06	1.69	1141.891892	0.1	0.6	0.3	143.2	3.7
Initial Production	6/17/19 1:00 AM		4.42	0.00	168	36	2553	32	1:00	15.00	3744.00	192.00	1426.00	81.25%	18.75%	864.00	434.60	0.3%	1860.00	1.82	0.06	1.87	1180.688568	0.1	0.7	0.3	120.8	3.9
Initial Production	6/17/19 2:00 AM		4.78	0.00	155	38	2697	32	0:08	16.00	3720.00	193.00	1581.00	80.31%	19.69%	912.00	472.60	0.3%	2053.00	2.02	0.06	2.07	1284.946237	0.1	0.8	0.3	120.8	4.0
Well Shut in	6/17/19 2:06 AM	SIWP 3497					3497		0:01	16.13	0.00	0.00	1581.00			0.00	472.60	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.0
NPT	6/17/19 2:09 AM	Blue Light/High Level Alarm Production Tester, two Phase Seperator dump issue							0:24	16.15	0.00	0.00	1581.00			0.00	472.60	0.3%	2053.00	2.02	0.06	2.07					0.0	4.0
Initial Production	6/17/19 2:33 AM	Open to Flow to HS-0088 on a 32/64 Choke at 3,497 PSIG					3497	32	0:04	16.55	0.00	0.00	1581.00			0.00	472.60	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.1
Well Shut in	6/17/19 2:37 AM	SIWP 3497					3497		0:01	16.62	0.00	0.00	1581.00			0.00	472.60	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.1
NPT	6/17/19 2:38 AM	Blue Light/High Level Alarm Production Tester, two Phase Seperator dump issue							0:22	16.63	0.00	0.00	1581.00			0.00	472.60	0.3%	2053.00	2.02	0.06	2.07					0.0	4.1
NPT	6/17/19 3:00 AM	Production is working on the issue					3481		0:40	17.00	0.00	0.00	1581.00			0.00	472.60	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.1
Initial Production	6/17/19 3:40 AM	Open to Flow to HS-0088 on a 32/64 Choke at 3,471 PSIG					3471	32	0:05	17.67	0.00	0.00	1581.00			0.00	472.60	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.2
Well Shut in	6/17/19 3:45 AM	SIWP 3393					3393		0:01	17.75	0.00	0.00	1581.00			0.00	472.60	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.2
NPT	6/17/19 3:46 AM	Blue Light/High Level Alarm Production Tester, two Phase Seperator dump issue							0:14	17.77	0.00	0.00	1581.00			0.00	472.60	0.3%	2053.00	2.02	0.06	2.07					0.0	4.2
NPT	6/17/19 4:00 AM	Shut in waiting on new two phase dump.					3490		1:00	18.00	0.00	0.00	1581.00			0.00	472.60	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.2
NPT	6/17/19 5:00 AM						3550		1:00	19.00	0.00	0.00	1581.00			0.00	472.60	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.4
NPT	6/17/19 6:00 AM						3585		1:00	20.00	0.00	0.00	1581.00			0.00	472.60	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.5
NPT	6/17/19 7:00 AM						3601		0:15	21.00	0.00	0.00	1581.00			0.00	472.60	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.6
Initial Production	6/17/19 7:15 AM	(7:15) Open Well to flow on a 32/64" choke with a WHP of 3,620 psi(g)					3620	32	0:44	21.25	0.00	0.00	1581.00			0.00	472.60	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.6
Well Shut in	6/17/19 7:56 AM	SIWP 3,051 psi(g)					3051		0:01	21.98	0.00	0.00	1581.00			0.00	472.60	0.3%	2053.00	2.02	0.06	2.07		0.0	0.7		0.0	4.7
NPT	6/17/19 8:00 AM	(7:59) Blue Light due to High level in 3 Phase Treater.				79	34		0:22	22.00	1896.00	103.00	1950.00	75.70%	23.30%	576.00	490.00	0.3%	2156.00	2.02	0.06	2.07	0			2.0	61.2	4.7
Initial Production	6/17/19 8:22 AM	(8:22) Open well to flow on a 28/64" per Production Hand until Hot Oiler flushes their dumps. WHP: 3,562 psi(g)					3562	28	0:38	22.37	0.00	0.00	1950.00			0.00	490.00	0.3%	2156.00	2.02	0.06	2.07		0.0	0.8		0.0	4.7
Initial Production	6/17/19 9:00 AM	(9:00) Increase choke to 32/64"	3.30	0.00	99	14	2744	28	1:00	23.00	2376.00	113.00	1750.00	87.61%	12.39%	336.00	510.00	0.3%	2269.00	2.15	0.06	2.21	1388.888889	0.0	0.8	0.5	76.6	4.8
Initial Production	6/17/19 10:00 AM	(10:00) Increase choke to 34/64"	4.80	0.00	174	34	2634	32	1:00	24.00	4176.00	208.00	1933.00	83.65%	16.35%	816.00	544.00	0.3%	2477.00	2.35	0.06	2.41	1149.425287	0.1	0.9	0.3	134.7	4.9
Initial Production	6/17/19 11:00 AM	(11:00) Increase choke to 36/64"	5.00	0.00	183	42	2554	34	1:00	25.00	3912.00	205.00	2096.00	79.51%	20.49%	1008.00	586.00	0.4%	2682.00	2.56	0.06	2.62	1276.118609	0.1	1.1	0.3	126.2	5.0
Initial Production	6/17/19 12:00 PM	(12:00) Water Weight = 9.8 ppg Oil, API = 42.42 @ 60°F H2S = 0 ppm	5.50	0.00	171	39	2455	36	1:00	26.00	4104.00	210.00	2267.00	81.43%	18.57%	936.00	625.00	0.4%	2892.00	2.79	0.06	2.85	1340.165945	0.1	1.2	0.3	132.4	5.1
Initial Production	6/17/19 1:00 PM	(1:00) Target of 225+/- 10 bfph met. 24 Hr Countdown begins.	5.60	0.00	180	50	2455	36	1:00	27.00	4320.00	230.00	2447.00	78.26%	21.74%	1200.00	675.00	0.4%	3122.00	3.02	0.06	3.08	1296.296296	0.1	1.3	0.3	139.4	5.2
Initial Production	6/17/19 2:00 PM		5.70	0.00	170	52	2480	36	1:00	28.00	4080.00	222.00	2617.00	76.58%	23.42%	1248.00	727.00	0.5%	3344.00	3.26	0.06	3.32	1307.058824	0.1	1.4	0.3	131.8	5.3
Initial Production	6/17/19 3:00 PM		5.70	0.00	172	45	2480	36	1:00	29.00	4128.00	217.00	2789.00	79.26%	20.74%	1080.00	772.00	0.5%	3561.00	3.50	0.06	3.56	1380.813953	0.1	1.4	0.3	133.2	5.4

Initial Production	6/17/19 4:00 PM	Water Weight = 9.8 ppg Oil API = 43.02 @ 60°F	5.70	0.00	180	41	2455	36	1.00	30.00	4320.00	221.00	2969.00	81.45%	18.55%	964.00	813.00	0.5%	3782.00	3.74	0.06	3.79	1319.444444	0.1	1.5	0.3	139.4	5.5
Initial Production	6/17/19 5:00 PM	(5:00) Decrease choke to 34/64" per Production Hand due to salted dumps and treater levels getting too high.	5.60	0.00	138	27	2452	36	1.00	31.00	3312.00	165.00	3107.00	83.64%	16.36%	648.00	840.00	0.5%	3947.00	3.90	0.06	4.03	1751.207729	0.1	1.6	0.4	106.6	5.6
Initial Production	6/17/19 6:00 PM		5.11	0.00	168	36	2548	34	1.00	32.00	4032.00	204.00	3275.00	82.36%	17.65%	864.00	876.00	0.6%	4151.00	4.19	0.06	4.25	1267.361111	0.1	1.8	0.3	130.1	5.7
Initial Production	6/17/19 7:00 PM	(7:00) Increase choke to 36/64"	5.39	0.00	175	29	2513	34	1.00	33.00	4200.00	204.00	3450.00	85.78%	14.22%	696.00	905.00	0.6%	4355.00	4.42	0.06	4.47	1283.333333	0.1	1.7	0.3	135.5	5.7
Initial Production	6/17/19 8:00 PM	Water Weight = 9.8 ppg Oil API = 44.46 @ 60°F	5.79	0.00	167	36	2428	36	1.00	34.00	4008.00	203.00	3617.00	82.27%	17.73%	864.00	941.00	0.6%	4558.00	4.65	0.06	4.71	1444.610778	0.1	1.9	0.4	129.3	5.8
Initial Production	6/17/19 9:00 PM	(9:00) Increase choke to 38/64"	5.76	0.00	179	33	2431	36	1.00	35.00	4296.00	212.00	3796.00	84.43%	15.57%	792.00	974.00	0.6%	4770.00	4.90	0.06	4.95	1340.782123	0.1	2.0	0.3	136.6	5.9
Initial Production	6/17/19 10:00 PM		6.23	0.00	179	37	2332	38	1.00	36.00	4296.00	216.00	3975.00	82.87%	17.13%	868.00	1011.00	0.6%	4986.00	5.15	0.06	5.21	1450.18622	0.1	2.1	0.4	136.6	6.0
Initial Production	6/17/19 11:00 PM		6.14	0.00	186	38	2323	38	1.00	37.00	4464.00	224.00	4161.00	83.04%	16.96%	912.00	1049.00	0.7%	5210.00	5.41	0.06	5.47	1375.448029	0.1	2.2	0.3	144.0	6.1
Initial Production	6/18/19 12:00 AM	(12:00) Water Weight = 9.8 ppg Oil API = 43.79 @ 60°F H2S = 0 ppm	6.13	0.00	186	51	2311	38	1.00	38.00	4464.00	237.00	4347.00	78.48%	21.52%	1224.00	1100.00	0.7%	5447.00	5.67	0.06	5.72	1373.207885	0.1	2.4	0.3	144.0	6.2
Initial Production	6/18/19 1:00 AM		6.12	0.00	180	43	2309	38	1.00	39.00	4320.00	223.00	4527.00	80.72%	19.28%	1032.00	1143.00	0.7%	5670.00	5.92	0.06	5.98	1416.666667	0.1	2.5	0.4	139.4	6.2
Initial Production	6/18/19 2:00 AM		6.11	0.00	189	35	2308	38	1.00	40.00	4536.00	224.00	4716.00	84.38%	15.63%	840.00	1178.00	0.7%	5894.00	6.18	0.06	6.23	1347.001754	0.1	2.6	0.3	146.3	6.3
Initial Production	6/18/19 3:00 AM		6.09	0.00	183	40	2303	38	1.00	41.00	4392.00	223.00	4899.00	82.06%	17.94%	960.00	1218.00	0.8%	6117.00	6.43	0.06	6.49	1396.612022	0.1	2.7	0.4	141.7	6.4
Initial Production	6/18/19 4:00 AM	(4:00) Decrease choke to 34/64" per Production Hand Due to oil Tank Volume. Water Weight = 9.8 ppg Oil API = 43.90 @ 60°F	6.10	0.00	180	34	2298	38	1.00	42.00	4320.00	214.00	5079.00	84.11%	15.89%	816.00	1252.00	0.8%	6331.00	6.69	0.06	6.74	1412.037037	0.1	2.8	0.4	139.4	6.5
Initial Production	6/18/19 5:00 AM		5.38	0.00	157	34	2481	34	1.00	43.00	3766.00	191.00	5236.00	82.20%	17.80%	816.00	1286.00	0.9%	6522.00	6.91	0.06	6.97	1427.813163	0.1	2.6	0.4	121.5	5.6
Initial Production	6/18/19 6:00 AM		5.30	0.00	175	37	2484	34	1.00	44.00	4200.00	212.00	5411.00	82.55%	17.45%	888.00	1323.00	0.8%	6734.00	7.13	0.06	7.19	1261.904762	0.1	2.7	0.3	135.5	6.6
Initial Production	6/18/19 7:00 AM		5.30	0.00	157	28	2482	34	1.00	45.00	3768.00	185.00	5568.00	84.86%	15.14%	672.00	1351.00	0.9%	6919.00	7.35	0.06	7.41	1406.581741	0.1	2.8	0.4	121.5	6.7
Initial Production	6/18/19 8:00 AM	(8:00) Decrease choke to 32/64" per Production hand until LACT is fixed. Water Weight = 9.7 ppg Oil API = 42.41 @ 60°F	5.30	0.00	166	34	2472	34	1.00	46.00	3984.00	200.00	5734.00	83.00%	17.00%	816.00	1386.00	0.9%	7119.00	7.57	0.06	7.63	1330.321285	0.1	2.9	0.3	128.5	6.8
Initial Production	6/18/19 9:00 AM		4.90	0.00	158	34	2545	32	1.00	47.00	3792.00	192.00	5892.00	82.29%	17.71%	816.00	1419.00	0.9%	7311.00	7.78	0.06	7.83	1292.194093	0.1	2.9	0.3	122.3	6.9
Initial Production	6/18/19 10:00 AM		5.00	0.00	161	32	2533	32	1.00	48.00	3864.00	193.00	6053.00	83.42%	16.58%	768.00	1461.00	0.9%	7504.00	7.98	0.06	8.04	1293.995859	0.1	3.0	0.3	124.6	6.9
Initial Production	6/18/19 11:00 AM		5.00	0.00	152	33	2532	32	1.00	49.00	3648.00	185.00	6205.00	82.16%	17.84%	792.00	1484.00	0.9%	7689.00	8.19	0.06	8.25	1370.614035	0.1	3.0	0.4	117.7	7.0
Initial Production	6/18/19 12:00 PM	Water Weight = 9.7 ppg Oil API = 43.44 @ 60°F H2S = 0 ppm	4.90	0.00	157	28	2526	32	1.00	50.00	3768.00	185.00	6362.00	84.86%	15.14%	672.00	1512.00	1.0%	7874.00	8.40	0.06	8.45	1300.424628	0.1	3.1	0.4	121.5	7.1
Initial Production	6/18/19 1:00 PM	(1:00) LACT is fixed. We will resume schedule and target 225+/- 10 bfph for 24 consective hours.	2.00	0.00	157	25	2525	32	1.00	51.00	3768.00	182.00	6519.00	86.26%	13.74%	600.00	1537.00	1.0%	8056.00	8.48	0.06	8.54	530.7855626	0.1	3.2	0.4	121.5	7.1
Initial Production	6/18/19 2:00 PM	(1:30) Increase choke to 34/64" (2:00) Increase choke to 36/64" (2:30) Increase choke to 38/64"	5.10	0.00	148	47	2442	34	1.00	52.00	3552.00	195.00	6667.00	76.90%	24.10%	1128.00	1584.00	1.0%	8251.00	8.69	0.06	8.75	1435.810811	0.1	3.4	0.4	114.6	7.2
Initial Production	6/18/19 3:00 PM		6.00	0.00	148	32	2292	38	1.00	53.00	3552.00	180.00	6815.00	82.22%	17.78%	768.00	1616.00	1.0%	8431.00	8.94	0.06	9.00	1669.189189	0.1	3.8	0.5	114.6	7.3
Initial Production	6/18/19 4:00 PM	Water Weight = 9.7 ppg Oil API = 43.44 @ 60°F	6.00	0.00	165	30	2238	38	1.00	54.00	3960.00	195.00	6968.00	84.62%	15.38%	720.00	1646.00	1.0%	8626.00	9.19	0.06	9.25	1515.151515	0.1	3.9	0.4	127.7	7.3
Initial Production	6/18/19 5:00 PM		5.90	0.00	171	39	2246	38	1.00	55.00	4104.00	210.00	7151.00	81.43%	18.57%	936.00	1685.00	1.1%	8830.00	9.44	0.06	9.50	1437.621832	0.1	3.9	0.4	132.4	7.4
Initial Production	6/18/19 6:00 PM	(6:06) Decrease choke to 36/64" per Production hand until LACT is fixed.	6.10	0.00	189	40	2171	40	1.00	56.00	4536.00	229.00	7340.00	82.53%	17.47%	960.00	1725.00	1.1%	9065.00	9.69	0.06	9.75	1344.797178	0.1	4.2	0.4	146.3	7.5
Initial Production	6/18/19 7:00 PM	(7:30) LACT is fixed. We will resume schedule and target 225+/- 10 bfph for 24 consective hours. Increase choke to 38/64"	5.52	0.00	138	36	2370	36	1.00	57.00	3312.00	174.00	7478.00	79.31%	20.69%	864.00	1781.00	1.1%	9239.00	9.92	0.06	9.98	1666.666667	0.1	3.9	0.4	106.8	7.5
Initial Production	6/18/19 8:00 PM	Water Weight = 9.7 ppg Oil API = 43.09 @ 60°F	6.31	0.00	144	29	2244	38	1.00	58.00	3456.00	173.00	7622.00	83.24%	16.76%	696.00	1790.00	1.1%	9412.00	10.19	0.06	10.24	1825.810185	0.1	4.2	0.5	111.5	7.6
Initial Production	6/18/19 9:00 PM	(9:00) Target of 225+/-10 bfph met. 24 Hr Countdown begins.	6.12	0.00	166	39	2199	38	1.00	59.00	4680.00	234.00	7817.00	83.33%	16.67%	936.00	1829.00	1.2%	9646.00	10.44	0.06	10.50	1307.692308	0.1	4.4	0.4	151.0	7.7
Initial Production	6/18/19 10:00 PM		6.02	0.00	179	36	2199	38	1.00	60.00	4296.00	216.00	7996.00	83.26%	16.74%	864.00	1885.00	1.2%	9861.00	10.69	0.06	10.75	1401.303538	0.1	4.5	0.4	136.6	7.7
Initial Production	6/18/19 11:00 PM		3.00	0.00	177	42	2294	38	1.00	61.00	4248.00	219.00	8173.00	80.82%	19.18%	1008.00	1907.00	1.2%	10080.00	10.82	0.06	10.87	786.2146893	0.1	4.4	0.4	137.0	7.8
Initial Production	6/19/19 12:00 AM	(12:00) Water Weight = 9.8 ppg Oil API = 43.05 @ 60°F H2S = 0 ppm	5.98	0.00	176	42	2189	38	1.00	62.00	4224.00	238.00	8349.00	80.73%	19.27%	1008.00	1949.00	1.2%	10298.00	11.07	0.06	11.12	1415.719697	0.1	4.7	0.4	136.3	7.9
Initial Production	6/19/19 1:00 AM		6.02	0.00	186	39	2187	38	1.00	63.00	4464.00	225.00	8535.00	82.67%	17.33%	936.00	1988.00	1.3%	10523.00	11.32	0.06	11.37	1348.566308	0.1	4.8	0.4	144.0	7.9
Initial Production	6/19/19 2:00 AM		6.02	0.00	174	38	2185	38	1.00	64.00	4176.00	212.00	8709.00	82.08%	17.92%	912.00	2026.00	1.3%	10735.00	11.57	0.06	11.62	1441.570881	0.1	4.9	0.4	134.7	8.0
Initial Production	6/19/19 3:00 AM		6.01	0.00	175	40	2183	38	1.00	65.00	4200.00	215.00	8884.00	81.40%	18.60%	960.00	2066.00	1.3%	10950.00	11.82	0.06	11.87	1430.952381	0.1	5.0	0.4	135.5	8.1
Initial Production	6/19/19 4:00 AM	Water Weight = 9.7 ppg Oil API = 43.10 @ 60°F	6.01	0.00	180	39	2179	38	1.00	66.00	4320.00	219.00	9064.00	82.19%	17.81%	936.00	2105.00	1.3%	11169.00	12.07	0.06	12.12	1391.203704	0.1	5.1	0.4	139.4	8.1
Initial Production	6/19/19 5:00 AM		6.00	0.00	177	40	2175	38	1.00	67.00	4248.00	217.00	9241.00	81.57%	18.43%	960.00	2145.00	1.4%	11388.00	12.32	0.06	12.37	1412.429379	0.1	5.2	0.4	137.0	8.2
Initial Production	6/19/19 6:00 AM		5.90	0.00	180	43	2171	38	1.00	68.00	4320.00	223.00	9421.00	80.72%	19.28%	1032.00	2188.00	1.4%	11609.00	12.56	0.06	12.62	1395.740741	0.1	5.3	0.4	139.4	8.2
Initial Production	6/19/19 7:00 AM		5.90	0.00	177	34	2178	38	1.00	69.00	4248.00	211.00	9598.00	83.89%	16.11%	816.00	2222.00	1.4%	11820.00	12.81	0.06	12.87	1388.888889	0.1	5.4	0.4	137.0	8.3
Initial Production	6/19/19 8:00 AM	(8:00) Increase choke to 40/64" Water Weight = 9.7 ppg Oil API = 42.56 @ 60°F	5.90	0.00	163	42	2168	38	1.00	70.00	3912.00	205.00	9761.00	79.51%	20.49%	1008.00	2264.00	1.4%	12025.00	13.06	0.06	13.11	1506.179959	0.1	5.5	0.4	126.2	8.4
Initial Production	6/19/19 9:00 AM		6.00	0.00	179	40	2128	40	1.00	71.00	4296.00	219.00	9940.00	81.74%	18.26%	960.00	2304.00	1.5%	12244.00	13.31	0.06	13.36	1395.648045	0.1	5.8	0.4	138.6	8.4
Initial Production	6/19/19 10:00 AM		6.00	0.00	184	43	2124	40	1.00	72.00	4416.00	227.00	10124.00	81.06%	18.94%	1032.00	2347.00	1.5%	12471.00	13.56	0.06	13.61	1358.695652	0.1	5.9	0.4	142.5	8.5
Initial Production	6/19/19 11:00 AM		6.00	0.00	169	32	2115	40	1.00	73.00	4056.00	201.00	10293.00	84.08%	15.92%	768.00	2379.00	1.5%	12672.00	13.81	0.06	13.86	1479.289941	0.1	6.0	0.4	130.8	8.5
Initial Production	6/19/19 12:00 PM	(12:00) Target not hit for 2 hours, Production Hand asked that we remain on 40/64" to keep from high leveling the treator. Water Weight = 9.7 ppg Oil API = 42.82 @ 60°F H2S = 0 ppm	6.00	0.00	173	36	2108	40	1.00	74.00	4152.00	209.00	10466.00	82.78%	17.22%	864.00	2415.00	1.5%	12881.00	14.06	0.06	14.11	1445.086705	0.1	6.1	0.4	133.9	8.6
Initial Production	6/19/19 1:00 PM	(1:30) Decrease choke to 34/64" per production until Hot oiler flushes dumps	5.20	0.36	157	47	2108	40	1.00	75.00	3768.00	204.00	10623.00	78.96%	23.04%	1128.00	2462.00	1.6%	13085.00	14.27	0.07	14.34	1478.11465	0.1	6.2	0.5	121.5	8.7
Initial Production	6/19/19 2:00 PM	(2:00) Hot Oiler arrives, flushes dump. (2:30) Increase choke to 38/64"	4.80	0.41	160	23	2382	34	1.00	76.00	3840.00	183.00	10783.00	87.43%	12.57%	552.00	2485.00	1.6%	13268.00	14.47	0.09	14.56	1356.770833	0.1	5.6	0.4	123.9	8.7
Initial Production	6/19/19 3:00 PM		5.30	0.67	150	41	2140	38	1.00	77.00	3600.00	191.00	10933.00	78.53%	21.47%	984.00	2526.00	1.6%	13459.00	14.69	0.12	14.81	1659.444444	0.1	6.3	0.5	116.1	8.8
Initial Production	6/19/19 4:00 PM	Water Weight = 9.7 ppg Oil API = 42.74 @ 60°F	5.50	0.37	179	43	2139	38	1.00	78.00	4296.00	222.00	11112.00	80.63%	19.37%	1032.00	2569.00	1.6%	13661.00	14.92	0.13	15.05	1365.223464	0.1	6.4	0.4	136.6	8.8
Initial Production	6/19/19 5:00 PM		5.60	0.46	177	34	2133	38	1.00	79.00	4248.00	211.00	11289.00	83.89%	16.11%	816.00	2603.00	1.6%	13892.00	15.16	0.15	15.31	1426.318267	0.1	6.5	0.4	137.0	8.9
Initial Production	6/19/19 6:00 PM		5.40	0.47	175	46	2125	38	1.00	80.00	4200.00	221.00	11464.00	79.19%	20.81%	1104.00	2649.00	1.7%	14113.00	15.38	0.17	15.55	1395.238095	0.1	6.6	0.4	135.5	8.9
Initial Production	6/19/19 7:00 PM		5.40	0.46	177	43	2126	38	1.00	81.00	4248.00	220.00	11641.00	80.45%	19.55%	1032.00	2692.00	1.7%	14333.00	15.61	0.19	15.80	1379.472693	0.1	6.7	0.4	137.0	9.0
Initial Production	6/19/19 8:00 PM	Water Weight = 9.8 ppg Oil API = 43.78 @ 60°F	5.49	0.36	170	36	2123	38	1.00	82.00	4080.00	206.00	11811.00	82.52%	17.48%	864.00	2726.00	1.7%	14539.00	15.83	0.20	16.04	1433.823529	0.1	6.8	0.4	131.6	9.1
Initial Production	6/19/19 9:00 PM	(9:00) Decrease choke to 36/64	4.94	0.90	176	39	2115	36	1.00	83.00	4224.00	215.00	11987.00	81.86%	18.14%	936.00	2767.00	1.7%	14754.00	16.04	0.24	16.28	1382.575758	0.1	7.0	0.4	136.3	9.1
Initial Production	6/19/19 10:00 PM		4.73	0.71	164	34	2236	36	1.00	84.00	3936.00	198.00	12151.00	82.83%	17.17%	816.00	2801.00	1.8%	14952.00	16.24	0.27	16.51	1382.113821	0.1	6.7	0.4	127.0	9.2
Initial Production	6/19/19 11:00 PM	(11:00) Decrease choke to 34/64	5.04	0.38	164	33	2231	36	1.00	85.00	3936.00	197.00	12315.00	83.25%	16.75%	792.00	2834.00	1.8%	15149.00	16.45	0.29	16.73	1377.03252	0.1	6.8	0.4	127.0	9.2
Initial Production	6/20/19 12:00 AM	Water Weight = 9.7 ppg Oil API = 44.16 @ 60°F H2S = 0 ppm	4.73	0.37	156	33	2322	34	1.00	86.00	3744.00	189.00	12471.00	82.54%	17.46%	792.00	2867.00	1.8%	15338.00	16.64	0.30	16.95	1362.179487	0.1	6.6	0.4	120.8	9.3
Initial Production	6/20/19 1:00 AM	(1:00) Decrease choke to 32/64	4.42	0.67	154	31	2314	34	1.00	87.00	3696.00	185.00	12625.00	83.24%	16.76%	744.00	2898.00	1.8%	15523.00	16.83	0.33	17.16	1377.164502	0.1	6.7	0.4	119.2	9.3
Initial Production	6/20/19 2:00 AM		4.44	0.37	154	30	2381	32	1.00	88.00	3696.00	184.00	12779.00	83.70%	16.30%	720.00	2928.00	1.8%	15707.00	17.01	0.35	17.36	1301.406926	0.1	6.6	0.4	119.2	9.4
Initial Production	6/20/19 3:00 AM	(3:00) Decrease choke to 30/64	4.20	0.31	143	36	2389	32	1.00	89.00	3432.00	179.00	12922.00	79.89%	20.11%	864.00	2964.00	1.9%	15886.00	17.19	0.36	17.55	1311.188811	0.1	6.6	0.4	110.7	9.4
Initial Production	6/20/19 4:00 AM	(4:00) Decrease choke to 28/64Water Weight = 9.7 ppg Oil API = 43.95 @ 60°F	3.85	0.25	135	30	2460	30	1.00	90.00	3240.00	165.00	13057.00	81.82%	18.18%	720.00	2994.00	1.9%	16051.00	17.35	0.37	17.72	1265.432099	0.1	6.5	0.4	104.5	9.5
Initial Production	6/20/19 5:00 AM	(5:00) Decrease choke to 26/64	3.90	0.21	135	31	2459	28	1.00	91.00	3240.00	166.00	13192.00	81.33%	18.67%	744.00	3025.00	1.9%	16217.00	17.51	0.38	17.89	1268.518519	0.1	6.6	0.4	104.5	9.5
Production through Facilities	6/20/19 6:00 AM	(6:00) Decrease choke to 24/64	2.70	0.45	115	42	2677	26	1.00	92.00	2760.00	157.00	13307.00	73.25%	26.75%	1008.00	3067.00	1.9%	16374.00	17.67	0.40	18.02	1142.391304	0.1	6.1	0.4	89.0	9.6
Flowback operations complete	6/20/19 7:00 AM	(7:15) Turned over on a THRC 24/64" choke to Production 15/64" choke at 2,783 psi(g). Manifold sand sample = 0.01%	2.80	0.50	104	21	2763	24	0.00	93.00	2496.00	125.00	13411.00	83.20%	16.80%	504.00	3088.00	2.0%	16499.00	17.74	0.42	18.16	1323.317308	0.0	6.0	0.4	80.5	9.6

Version 20190404

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY

Company Name	Hess Corporation
Well Name	BB-FEDERAL-151-95-0817H-3
API Number	
Area Work Team	D
Field	BB
Formation	TF
Area (Acres)	1280
Date on Location	6/1/2019
Initial Flowback Date	6/13/19 9:00 AM
Flowback Company	TechnipFMC
Responsible Contractor	Joshua Turman
Phone Contact	701-389-9367
Initial Shut-in Tubing Pressure (Ps)	1,285 PSI

FRAC JOB SUMMARY

Type Frac Job	Hydraulic Frac	
TOTAL Clean Fluid Pumped	104,088	BBLS
TOTAL Sand Pumped	5,048,596	LBS
Proposed # Stages	31	Stages
Effective # Stages	31	Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
Flowback Crew / Hess FB Supervisor
Flowback
Automatic

Event Phase	Date MM/DD/YY TIME	Remarks	Flared Gas Rate (FB) M'Mscfd	Sales Gas Rate M'Mscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psi(g)	Choke Size in (#/64)	Duration hrs	Cum Time hrs	Oil Daily bbl/day	Total Fluid bbl/hr	Oil Cum bbl	Oil Cut %	Water Cut %	Water Daily bbl/day	Water Cum bbl	Load Recovery %	Total Liq Cum bbl	Flared Gas Cum MMscf	Sales Gas Cum MMSCF	Total Gas Cum MMSCF	GOR scf/bbl	BFPH/FTP (bbls/psi)	Cum FTPH/FTP (bbl/psi)	I/PI (psi/bbl)	BO/Stage (bbls/stg)	SQRT (t) (Hours^0.5)
	6/13/19 10:00 PM	Report start time	0.00	0.00	0	0	3226	0	0.00	0	0.00	0	0				0	0.0%	0	0.00	0.00	0.00		0.0	0.0		0.0	0.0
Standard Work	6/13/19 10:00 AM	(10:10) TFMC began RDMO to H3							1.00	0.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	0.0
Standard Work	6/13/19 11:00 AM	(11:46) TFMC begin to Fill Lines for PT							1.00	1.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	1.0
Standard Work	6/13/19 12:00 PM	(12:15) Filling Lines complete.							1.00	2.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	1.4
Standard Work	6/13/19 1:00 PM	(1:30) Arp Testing arrives on location							1.00	3.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	1.7
Standard Work	6/13/19 2:00 PM	(2:00) Arp Testing begins pressure test (2:50) Pressure Test complete.							1.00	4.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	2.0
Initial Flowback	6/13/19 3:00 PM	(3:00) Open well to flow on a 24/64" choke with an IOP of 1,285 psi(g) to the open top through the bypass. Pressure dropped to 600 psi(g) while flowing continuously decreasing. Open well up on a 90/64" to unload the wellbore.					1285	24	0.32	5.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	2.2
Well Shut in	6/13/19 3:32 PM	SIWP: 16 psi(g)					16		0.01	5.53	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	2.4
NPT	6/13/19 3:33 PM	(3:32) Production Blue lighted while flowing to the open top unloading the well. Lost all pressure immediately. False Alarm causing the blue light per production.							0.02	5.55	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	2.4
Initial Flowback	6/13/19 3:35 PM	Open well to flow on a 96/64" choke with a WHP of 4 psi(g) to the open top. Closely monitoring for returns until Hot Oiler arrives for pumpdown						96	0.25	5.58	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	2.4
Initial Flowback	6/13/19 4:00 PM	Water Weight = N/A Oil API = N/A				34	3	96	1.00	6.00	0.00	34.00	0.00	0.00%	100.00%	816.00	34.00	0.0%	34.00	0.00	0.00	0.00		11.3	11.3		0.0	2.4
Initial Flowback	6/13/19 5:00 PM					0	3		0.15	7.00	0.00	0.00	0.00			0.00	34.00	0.0%	34.00	0.00	0.00	0.00		0.0	11.3		0.0	2.6
Well Shut in	6/13/19 5:15 PM	SIWP: 4 psi(g)							0.01	7.25	0.00	0.00	0.00			0.00	34.00	0.0%	34.00	0.00	0.00	0.00					0.0	2.7
NPT	6/13/19 5:16 PM	(5:15) Shut in well begain monitoring build up pressures until hot oiler arrives.							0.44	7.27	0.00	0.00	0.00			0.00	34.00	0.0%	34.00	0.00	0.00	0.00					0.0	2.7
NPT	6/13/19 6:00 PM				0	0	4		0.20	8.00	0.00	0.00	0.00			0.00	34.00	0.0%	34.00	0.00	0.00	0.00		0.0	8.5		0.0	2.8
NPT	6/13/19 6:20 PM	(6:20) Hot oiler Arrived on location							0.30	8.33	0.00	0.00	0.00			0.00	34.00	0.0%	34.00	0.00	0.00	0.00					0.0	2.9
NPT	6/13/19 6:50 PM	(6:50) Hot oiler begain pumping							0.12	8.83	0.00	0.00	0.00			0.00	34.00	0.0%	34.00	0.00	0.00	0.00					0.0	3.0
Initial Flowback	6/13/19 7:02 PM	(7:02) Opell well on a 24/64" choke with a WHP of 1960 psi(g) to the open top					1960		0.13	9.03	0.00	0.00	0.00			0.00	34.00	0.0%	34.00	0.00	0.00	0.00		0.0	0.0		0.0	3.0
Initial Flowback	6/13/19 7:15 PM	(7:15) Gas and oil to surface,Divert flow to HS-0088							0.10	9.25	0.00	0.00	0.00			0.00	34.00	0.0%	34.00	0.00	0.00	0.00					0.0	3.0
Well Shut in	6/13/19 7:25 PM	(7:25) SIWP: 2900 psi(g)					2900		0.01	9.42	0.00	0.00	0.00			0.00	34.00	0.0%	34.00	0.00	0.00	0.00		0.0	0.0		0.0	3.1
NPT	6/13/19 7:26 PM	(7:25) Shut in master valve due to flowcross grease zert leak							0.24	9.43	0.00	0.00	0.00			0.00	34.00	0.0%	34.00	0.00	0.00	0.00					0.0	3.1
NPT	6/13/19 7:50 PM	(7:45) WEIR Arrived on location to replace the zert							0.20	9.63	0.00	0.00	0.00			0.00	34.00	0.0%	34.00	0.00	0.00	0.00					0.0	3.1
Initial Production	6/13/19 8:10 PM	(8:10) Open well on a 24/64" choke with an IOP of 3,100 psi(g), immediate oil to production					3100		0.50	10.17	0.00	0.00	0.00			0.00	34.00	0.0%	34.00	0.00	0.00	0.00		0.0	0.0		0.0	3.2
Initial Production	6/13/19 9:00 PM		1.72	0.25	29	40	2662	24	1.00	11.00	696.00	69.00	29.00	42.03%	57.97%	969.00	74.00	0.1%	103.00	0.07	0.01	0.08	2836.45977	0.0	0.0	0.8	22.5	3.3
Initial Production	6/13/19 10:00 PM	(10:00) Increase Choke to 28/64"	1.86	0.31	80	62	2703	24	1.00	12.00	1920.00	142.00	109.00	56.34%	43.66%	1488.00	136.00	0.1%	245.00	0.15	0.02	0.17	1130.208333	0.1	0.1	0.3	61.9	3.5
Initial Production	6/13/19 11:00 PM		2.23	0.31	92	65	2500	28	1.00	13.00	2208.00	157.00	201.00	56.60%	41.40%	1560.00	201.00	0.2%	402.00	0.24	0.04	0.28	1150.362319	0.1	0.2	0.3	71.2	3.6
Initial Production	6/14/19 12:00 AM	(12:00) Increase Choke to 32/64" Water Weight = 9.7 ppg Oil API = 46.28 @ 60°F H2S = 0 ppm	2.38	0.27	99	76	2528	28	1.00	14.00	2376.00	175.00	300.00	56.57%	43.43%	1824.00	277.00	0.3%	577.00	0.34	0.05	0.39	1155.319865	0.1	0.2	0.3	76.6	3.7
Initial Production	6/14/19 1:00 AM		3.16	0.48	112	75	2257	32	1.00	15.00	2688.00	187.00	412.00	59.89%	40.11%	1800.00	352.00	0.3%	764.00	0.47	0.07	0.54	1364.166667	0.1	0.3	0.4	90.7	3.9
Initial Production	6/14/19 2:00 AM	(03:00) Increase Choke to 36/64"	3.37	0.34	118	86	2288	32	1.00	16.00	2832.00	184.00	530.00	64.13%	35.87%	1584.00	418.00	0.4%	948.00	0.61	0.08	0.70	1310.028249	0.1	0.4	0.3	91.4	4.0
Initial Production	6/14/19 3:00 AM		3.86	0.37	132	82	2109	36	1.00	17.00	3168.00	214.00	662.00	61.68%	38.32%	1968.00	500.00	0.5%	1162.00	0.77	0.10	0.87	1335.227273	0.1	0.6	0.4	102.2	4.1
Initial Production	6/14/19 4:00 AM	(04:00) Increase Choke to 38/64" Water Weight = 9.8 ppg Oil API = 44.53 @ 60°F	3.97	0.36	133	81	2056	38	1.00	18.00	3192.00	214.00	795.00	62.15%	37.85%	1944.00	581.00	0.6%	1376.00	0.94	0.11	1.05	1396.516291	0.1	0.7	0.4	103.0	4.2
Initial Production	6/14/19 5:00 AM		4.69	1.79	138	69	1984	38	1.00	19.00	3312.00	267.00	933.00	66.67%	33.33%	1656.00	650.00	0.6%	1583.00	1.13	0.19	1.32	1995.521739	0.1	0.8	0.4	106.8	4.4
Initial Production	6/14/19 6:00 AM		4.35	0.35	136	73	1988	38	1.00	20.00	3264.00	269.00	1069.00	65.07%	34.93%	1752.00	723.00	0.7%	1792.00	1.32	0.26	1.52	1439.95098	0.1	0.9	0.4	105.3	4.5
Initial Production	6/14/19 7:00 AM	(7:00) Increase choke to 40/64"	4.30	0.34	140	69	1991	38	1.00	21.00	3360.00	209.00	1209.00	66.99%	33.01%	1656.00	792.00	0.8%	2001.00	1.50	0.22	1.71	1380.654762	0.1	1.0	0.4	108.4	4.6
Initial Production	6/14/19 8:00 AM	Water Weight = 9.8 ppg Oil API = 43.90 @ 60°F	4.40	0.41	137	73	1914	40	1.00	22.00	3288.00	210.00	1345.00	65.24%	34.76%	1752.00	855.00	0.8%	2211.00	1.68	0.23	1.91	1463.50365	0.1	1.2	0.4	108.1	4.7
Initial Production	6/14/19 9:00 AM		4.40	0.39	141	74	1916	40	1.00	23.00	3384.00	215.00	1487.00	65.58%	34.42%	1776.00	929.00	0.9%	2426.00	1.86	0.25	2.11	1414.893617	0.1	1.3	0.4	109.2	4.8
Initial Production	6/14/19 10:00 AM		4.40	0.39	160	65	1916	40	1.00	24.00	3840.00	225.00	1647.00	71.11%	28.89%	1560.00	1004.00	1.0%	2651.00	2.05	0.27	2.31	1247.916667	0.1	1.4	0.3	123.9	4.9
Initial Production	6/14/19 11:00 AM		4.30	0.51	139	65	1918	40	1.00	25.00	3336.00	204.00	1785.00	68.14%	31.86%	1560.00	1069.00	1.0%	2855.00	2.22	0.29	2.51	1440.647482	0.1	1.5	0.4	107.6	5.0
Initial Production	6/14/19 12:00 PM	Water Weight = 9.8 ppg Oil API = 43.34 @ 60°F H2S = 0 ppm	4.60	0.36	145	79	1920	40	1.00	26.00	3480.00	224.00	1931.00	64.73%	35.27%	1896.00	1148.00	1.1%	3079.00	2.42	0.30	2.72	1424.137931	0.1	1.6	0.4	112.3	5.1
Initial Production	6/14/19 1:00 PM		4.60	0.34	156	74	1934	40	1.00	27.00	3744.00	230.00	2087.00	67.83%	32.17%	1776.00	1222.00	1.2%	3309.00	2.61	0.32	2.92	1319.444444	0.1	1.7	0.3	120.8	5.2
Initial Production	6/14/19 2:00 PM		4.70	0.38	141	60	1941	40	1.00	28.00	3384.00	201.00	2228.00	70.15%	29.85%	1440.00	1282.00	1.2%	3510.00	2.80	0.33	3.13	1499.704492	0.1	1.8	0.4	109.2	5.3
Initial Production	6/14/19 3:00 PM		4.50	0.54	143	62	1928	40	1.00	29.00	3432.00	225.00	2371.00	63.56%	36.44%	1968.00	1364.00	1.3%	3735.00	2.99	0.35	3.34	1468.531469	0.1	1.9	0.4	110.7	5.4
Initial Production	6/14/19 4:00 PM	Water Weight = 9.8 ppg Oil API = 42.79 @ 60°F	4.50	0.59	152	79	1961	40	1.00	30.00	3648.00	222.00	2523.00	68.47%	31.53%	1656.00	1434.00	1.4%	3957.00	3.18	0.38	3.56	1382.949561	0.1	2.0	0.3	117.7	5.5
Initial Production	6/14/19 5:00 PM		4.75	0.35	154	80	1951	40	1.00	31.00	3696.00	234.00	2677.00	65.81%	34.19%	1920.00	1514.00	1.5%	4191.00	3.39	0.39	3.77	1379.87013	0.1	2.1	0.3	119.2	5.6
Initial Production	6/14/19 6:00 PM		4.75	0.39	144	61	1969	40	1.00	32.00	3456.00	205.00	2821.00	70.24%	29.76%	1464.00	1575.00	1.5%	4396.00	3.57	0.41	3.98	1487.268519	0.1	2.2	0.4	111.5	5.7
Initial Production	6/14/19 7:00 PM		4.73	0.41	143	69	1964	40	1.00	33.00	3432.00	212.00	2964.00	67.45%	32.55%	1656.00	1644.00	1.6%	4608.00	3.77	0.42	4.20	1494.755245	0.1	2.3	0.4	110.7	5.7
Initial Production	6/14/19 8:00 PM	Water Weight = 10 ppg Oil API = 42.25 @ 60°F	4.84	0.32	174	69	1969	40	1.00	34.00	4176.00	243.00	3138.00	71.60%	28.40%	1656.00	1713.00	1.6%	4851.00	3.97	0.44	4.41	1233.237548	0.1	2.5	0.3	134.7	5.8
Initial Production	6/14/19 9:00 PM		4.75	0.41	147	64	1969	40	1.00	35.00	3528.00	211.00	3285.00	69.67%	30.33%	1536.00	1777.00	1.7%	5062.00	4.17	0.45	4.62	1462.585034	0.1	2.6	0.4	113.8	5.9
Initial Production	6/14/19 10:00 PM		4.77	0.41	151	66	1969	40	1.00	36.00	3624.00	217.00	3436.00	68.59%	30.41%	1584.00	1843.00	1.8%	5279.00	4.37	0.47	4.84	1429.359823	0.1	2.7	0.3	116.9	6.0
Initial Production	6/14/19 11:00 PM		4.62	0.93	107	49	2079	40	1.00	37.00	2568.00	156.00	3543.00	68.59%	31.41%	1176.00	1892.00	1.8%	5435.00	4.58	0.51	5.07	2361.214953	0.1	2.8	0.4	82.8	6.1
Initial Production	6/15/19 12:00 AM	(12:00) Increase choke to 42/64" Water Weight = 10 ppg Oil API = 43.15 @ 60°F H2S = 0 ppm	5.10	0.29	144	58	2072	40	1.00	38.00	3456.00	202.00	3697.00	71.29%	28.71%	1392.00	1950.00	1.9%	5647.00	4.77	0.52	5.30	1569.606481	0.1	2.7	0.3	111.5	6.2
Initial Production	6/15/19 1:00 AM		4.20	1.04	160	71	1892	42	1.00	39.00	3840.00	231.00	3847.00	69.26%	30.74%	1704.00	2021.00	1.9%	5868.00	4.95	0.57	5.51	1364.583333	0.1	3.1	0.3	123.9	6.2

Initial Production	6/15/19 2:00 AM		4.34	0.94	155	69	1900	42	1:00	40.00	3720.00	224.00	4902.00	69.20%	30.80%	1656.00	2090.00	2.0%	6092.00	5.13	0.80	5.73	1419.354839	0.1	3.2	0.4	120.0	6.3
Initial Production	6/15/19 3:00 AM		4.23	1.10	160	69	1903	42	1:00	41.00	3840.00	229.00	4162.00	69.87%	30.13%	1656.00	2159.00	2.1%	9321.00	5.31	0.65	5.96	1368.029633	0.1	3.3	0.3	123.9	6.4
Initial Production	6/15/19 4:00 AM	Water Weight = 9.8 ppg Oil API = 42.79 @ 60°F	4.37	0.96	151	70	1905	42	1:00	42.00	3624.00	221.00	4313.00	68.33%	31.67%	1680.00	2229.00	2.1%	6542.00	5.49	0.69	6.18	1472.406181	0.1	3.4	0.4	116.9	6.5
Initial Production	6/15/19 5:00 AM		4.74	0.81	161	69	1904	42	1:00	43.00	3864.00	230.00	4474.00	70.00%	30.00%	1656.00	2208.00	2.2%	6772.00	5.69	0.72	6.41	1436.335404	0.1	3.6	0.3	124.6	6.6
Initial Production	6/15/19 6:00 AM		5.00	0.29	153	83	1901	42	1:00	44.00	3672.00	236.00	4627.00	64.83%	35.17%	1992.00	2361.00	2.3%	7008.00	5.89	0.74	6.63	1440.904139	0.1	3.7	0.4	118.5	6.6
Initial Production	6/15/19 7:00 AM		4.90	0.32	157	58	1899	42	1:00	45.00	3768.00	215.00	4784.00	73.02%	26.98%	1392.00	2439.00	2.3%	7223.00	6.19	0.78	6.66	1389.881104	0.1	3.8	0.4	121.5	6.7
Initial Production	6/15/19 8:00 AM	Water Weight = 9.8 ppg Oil API = 42.81 @ 60 F	4.90	0.30	140	63	1899	42	1:00	46.00	3360.00	283.00	4924.00	68.97%	31.03%	1512.00	2502.00	2.4%	7426.00	6.39	0.76	7.07	1548.511905	0.1	3.8	0.4	108.4	6.8
Initial Production	6/15/19 9:00 AM	(9:00) 24 Hrs Targeting 225+/-10bf/ph Completed. Adjust choke to production facility rate of 120+/-10bf/ph.	4.90	0.31	162	56	1901	42	1:00	47.00	3888.00	218.00	5086.00	74.31%	25.69%	1344.00	2558.00	2.5%	7644.00	6.51	0.78	7.28	1338.99177	0.1	4.0	0.3	125.4	6.9
Initial Production	6/15/19 10:00 AM	(10:00) Decrease choke to 40/64"	4.80	0.44	142	85	1899	42	1:00	48.00	3408.00	227.00	5228.00	62.56%	37.44%	2040.00	2643.00	2.5%	7871.00	6.71	0.79	7.50	1538.438967	0.1	4.1	0.4	109.9	6.9
Initial Production	6/15/19 11:00 AM		4.90	0.30	155	75	1966	40	1:00	49.00	3720.00	230.00	5383.00	67.39%	32.61%	1800.00	2718.00	2.6%	8101.00	6.91	0.81	7.72	1397.580645	0.1	4.1	0.3	120.0	7.0
Initial Production	6/15/19 12:00 PM	(12:00) Decrease choke to 38/64" Water Weight = 9.8 ppg Oil API = 42.89 @ 60 F H2S = 0 ppm	4.90	0.29	157	64	1965	40	1:00	50.00	3768.00	221.00	5540.00	71.04%	28.96%	1536.00	2782.00	2.7%	8322.00	7.11	0.82	7.93	1376.326964	0.1	4.2	0.3	121.5	7.1
Initial Production	6/15/19 1:00 PM		4.70	0.26	140	65	2032	38	1:00	51.00	3360.00	205.00	5680.00	68.29%	31.71%	1568.00	2847.00	2.7%	8527.00	7.31	0.83	8.14	1475.297619	0.1	4.2	0.4	108.4	7.1
Initial Production	6/15/19 2:00 PM	(2:00) Decrease choke to 36/64"	4.60	0.00	144	59	2176	38	1:00	52.00	3456.00	203.00	5824.00	70.94%	29.06%	1416.00	2905.00	2.8%	8730.00	7.50	0.83	8.33	1331.018519	0.1	4.0	0.3	111.5	7.2
Initial Production	6/15/19 3:00 PM		4.00	0.35	130	86	2241	36	0:47	53.00	3120.00	195.00	5954.00	66.32%	33.67%	1584.00	2972.00	2.9%	8926.00	7.67	0.84	8.51	1393.269231	0.1	4.0	0.3	100.6	7.3
Well Shut In	6/15/19 3:47 PM	S/WP: 3,106 psi(g)					3106		0:01	53.78	0.00	0.00	5954.00			0.00	2972.00	2.9%	8926.00	7.67	0.84	8.51		0.0	2.9		0.0	7.3
NPT	6/15/19 3:48 PM	(3:47) Well shut in due to a leak on the inlet of the Desander. TFMC isolated the flow and depressurized lines to replace bad 2" 1502 Gland Gaskets.							0:12	53.80	0.00	0.00	5954.00			0.00	2972.00	2.9%	8926.00	7.67	0.84	8.51					0.0	7.3
NPT	6/15/19 4:00 PM				137	61	3193		0:28	54.00	3288.00	198.00	6091.00	69.19%	30.81%	1464.00	3033.00	2.9%	9124.00	7.67	0.84	8.51	0	0.1	2.9	0.0	106.1	7.3
Initial Production	6/15/19 4:28 PM	Open well to flow on a 34/64" choke with an ICP of 3,228 psi(g)					3228	34	0:32	54.47	0.00	0.00	6091.00			0.00	3033.00	2.9%	9124.00	7.67	0.84	8.51		0.0	2.8		0.0	7.4
Initial Production	6/15/19 5:00 PM		4.43	0.37	40	11	2351	34	1:00	55.00	960.00	51.00	6131.00	78.43%	21.57%	264.00	3044.00	2.9%	9175.00	7.85	0.86	8.71	5000	0.0	3.9	0.9	31.0	7.4
Initial Production	6/15/19 6:00 PM	(6:30) Decrease choke to 32/64"	3.86	0.32	137	53	2293	34	1:00	56.00	3288.00	190.00	6268.00	72.11%	27.89%	1272.00	3097.00	3.0%	9365.00	8.01	0.87	8.89	1271.289538	0.1	4.1	0.3	106.1	7.5
Initial Production	6/15/19 7:00 PM		2.91	0.26	129	58	2317	32	1:00	57.00	3096.00	167.00	6397.00	68.98%	31.02%	1392.00	3155.00	3.0%	9552.00	8.14	0.88	9.02	1023.901809	0.1	4.1	0.3	99.9	7.5
Initial Production	6/15/19 8:00 PM	(8:30) Decrease choke to 30/64" Water Weight = 9.8 ppg Oil API = 42.45 @ 60°F	4.11	0.00	137	53	2315	32	1:00	58.00	3288.00	190.00	6534.00	72.11%	27.89%	1272.00	3208.00	3.1%	9742.00	8.31	0.88	9.19	1250	0.1	4.2	0.3	106.1	7.6
Initial Production	6/15/19 9:00 PM		3.09	0.38	125	50	2433	30	1:00	59.00	3000.00	175.00	6659.00	71.43%	28.57%	1200.00	3258.00	3.1%	9917.00	8.44	0.90	9.33	1156.666667	0.1	4.1	0.3	96.8	7.7
Initial Production	6/15/19 10:00 PM	(10:30) Decrease choke to 28/64"	3.09	0.36	108	47	2499	30	1:00	60.00	2592.00	155.00	6767.00	69.68%	30.32%	1128.00	3305.00	3.2%	10072.00	8.56	0.91	9.46	1331.018519	0.1	4.0	0.3	83.6	7.7
Initial Production	6/15/19 11:00 PM		2.88	0.33	111	40	2603	28	1:00	61.00	2664.00	151.00	6878.00	73.51%	26.49%	960.00	3345.00	3.2%	10223.00	8.68	0.93	9.61	1204.954955	0.1	3.9	0.2	85.9	7.8
Initial Production	6/16/19 12:00 AM	(12:30) Decrease choke to 26/64" Water Weight = 9.8 ppg Oil API = 42.36 @ 60 F H2S = 0 ppm	1.97	0.29	105	46	2603	28	1:00	62.00	2520.00	151.00	6983.00	69.54%	30.46%	1104.00	3391.00	3.3%	10374.00	8.77	0.94	9.71	882.8571429	0.1	4.0	0.2	81.3	7.9
Initial Production	6/16/19 1:00 AM		2.82	0.30	105	40	2671	26	1:00	63.00	2520.00	145.00	7088.00	72.41%	27.59%	960.00	3431.00	3.3%	10519.00	8.88	0.95	9.84	1238.095238	0.1	3.9	0.2	81.3	7.9
Initial Production	6/16/19 2:00 AM	(2:30) Decrease choke to 24/64"	2.62	0.40	96	40	2679	26	1:00	64.00	2304.00	136.00	7184.00	70.59%	29.41%	960.00	3471.00	3.3%	10655.00	8.99	0.97	9.96	1310.763889	0.1	4.0	0.2	74.3	8.0
Initial Production	6/16/19 3:00 AM		2.07	0.00	101	40	2775	24	1:00	65.00	2424.00	141.00	7285.00	71.63%	28.37%	960.00	3511.00	3.4%	10796.00	9.08	0.97	10.05	853.960396	0.1	3.9	0.2	78.2	8.1
Initial Production	6/16/19 4:00 AM	Water Weight = 9.8 ppg Oil API = 42.87 @ 60°F	2.06	0.36	89	40	2736	24	1:00	66.00	2136.00	129.00	7374.00	68.99%	31.01%	960.00	3551.00	3.4%	10925.00	9.16	0.98	10.15	1132.958801	0.0	4.0	0.2	68.9	8.1
Initial Production	6/16/19 5:00 AM		2.66	0.00	89	38	2734	24	1:00	67.00	2136.00	127.00	7463.00	70.08%	29.92%	912.00	3589.00	3.4%	11052.00	9.28	0.98	10.26	1245.318352	0.0	4.0	0.2	68.9	8.2
Initial Production	6/16/19 6:00 AM		2.50	0.00	86	45	2728	24	1:00	68.00	2064.00	131.00	7549.00	65.65%	34.35%	1080.00	3634.00	3.5%	11183.00	9.38	0.98	10.36	1211.24031	0.0	4.1	0.2	66.6	8.2
Initial Production	6/16/19 7:00 AM		2.50	0.00	90	24	2738	24	1:00	69.00	2160.00	114.00	7639.00	78.95%	21.05%	576.00	3658.00	3.5%	11297.00	9.48	0.98	10.47	1157.407407	0.0	4.1	0.2	69.7	8.3
Initial Production	6/16/19 8:00 AM	Water Weight = 9.8 ppg Oil API = 42.87 @ 60°F	2.60	0.00	72	31	2731	24	1:00	70.00	1728.00	103.00	7711.00	69.90%	30.10%	744.00	3689.00	3.5%	11400.00	9.59	0.98	10.56	1504.92963	0.0	4.2	0.3	55.7	8.4
Initial Production	6/16/19 9:00 AM		2.70	0.00	72	33	2743	24	1:00	71.00	1728.00	105.00	7783.00	68.57%	31.43%	792.00	3722.00	3.6%	11505.00	9.70	0.98	10.69	1562.5	0.0	4.2	0.3	55.7	8.4
Flowback operations complete	6/16/19 10:00 AM	(10:00) Turned over on a TFMC 24/64" choke to Production 15/64" choke at 2,771 psi(g). Manifold sand sample = 0.01%	2.60	0.00	84	34	2771	24	0:00	72.00	2016.00	118.00	7857.00	71.19%	28.81%	816.00	3796.00	3.6%	11623.00	9.81	0.98	10.80	1269.86264	0.0	4.2	0.2	65.0	8.5

Version 20190404

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY	
Company Name	Hess Corporation
Well Name	BB-FEDERAL-151-95-0817H-4
API Number	
Area Work Team	D
Field	BB
Formation	MB
Area (Acres)	1280
Date on Location	6/1/2019
Initial Flowback Date	6/9/19 3:00 PM
Flowback Company	TechnipFMC
Responsible Contractor	Joshua Turmon
Phone Contact	701-389-9367
Initial Shut-in Tubing Pressure (Psi)	4,216 PSI

FRAC JOB SUMMARY	
Type Frac Job	Hyrdraulic Frac
TOTAL Clean Fluid Pumped	165,262 BBLS
TOTAL Sand Pumped	10,036,087 LBS
Proposed # Stages	31 Stages
Effective # Stages	31 Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
Flowback Crew / Hess FB Supervisor
Flowback
Automatic

Event Phase	Date MM/DD/YY TIME	Remarks	Flared Gas Rate (FB) MMscfd	Sales Gas Rate MMscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psi(g)	Choke Size in (# /64)	Duration hrs	Cum Time hrs	Oil Daily bbl/day	Total Fluid bbl/hr	Oil Cum bbl	Oil Cut %	Water Cut %	Water Daily bbl/day	Water Cum bbl	Load Recovery %	Total Liq Cum bbl	Flared Gas Cum MMscf	Sales Gas Cum MMSCF	Total Gas Cum MMSCF	GOR scf/bbl	BFPH/FTP (bbls/psi)	Cum FTPH/FTP (bbl/psi)	1/PI (psi/bbl)	BO/Stage (bbls/stg)	SQRT (t) (Hours^0.5)
	6/12/19 10:00 PM	Report start time	0.00	0.00	0	0	4313	0	0:00	0	0.00	0	0	[illegible]	[illegible]		0	0.0%	0	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	0.0
Standard Work	6/9/19 11:00 AM	(11:00) TFMC Begin RDMO to H4					4216		1:00	0.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	0.0
Standard Work	6/9/19 12:00 PM						4218		1:00	1.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	1.0
Standard Work	6/9/19 1:00 PM	(1:00) TFMC RDMO/Maintenance complete. (1:30) TFMC inhibit lines with production water for Pressure Testing (1:50) Filling Lines completed					4215		1:00	2.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	1.4
Standard Work	6/9/19 2:00 PM	(2:45) Arp pressure Testing arrives on location. (2:50) Begins Pressure testing 1502 Flowline.					4216		1:00	3.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	1.7
Standard Work	6/9/19 3:00 PM	(3:10) High Pressure Test complete. (3:15) Begins Low Pressure Test. (3:25) Pressure Test Complete.					4216		0:30	4.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	2.0
Initial Flowback	6/9/19 3:30 PM	(3:30) Open well to flow on a 24/64" choke with an IOP of 4,216 psi(g) to H60066.					4216	24	0:20	4.50	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	2.1
Initial Production	6/9/19 3:50 PM	(3:50) Oil to Production on a 24/64" choke with a WHP of 3,198 psi(g)					3198	24	0:10	4.83	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	2.2
Initial Production	6/9/19 4:00 PM	Water Weight = 9.7 ppg Oil API = 46.83 @ 60°F H2S = 0 ppm	3.54	0.00	0	0	2954	24	0:50	5.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.15	0.00	0.15	[illegible]	0.0	0.0	[illegible]	0.0	2.2
Well Shut in	6/9/19 4:50 PM	SIWP: 3,581 psi(g)					3581		0:01	5.83	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.15	0.00	0.15	[illegible]	0.0	0.0	[illegible]	0.0	2.4
NPT	6/9/19 4:51 PM	(4:50) Shut in well; Delta replacing HS ESD. Stopped Operations due to working over high pressured lines.							0:09	5.65	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.15	0.00	0.15	[illegible]	[illegible]	[illegible]	[illegible]	0.0	2.4
NPT	6/9/19 5:00 PM				19	41	3651		0:30	6.00	456.00	60.00	19.00	31.67%	68.33%	984.00	41.00	0.0%	60.00	0.15	0.00	0.15	0	0.0	0.0	1.5	14.7	2.4
Initial Production	6/9/19 5:30 PM	(5:30) Open well to flow on a 24/64" choke with a WHP of 3690 psi(g)					3690	24	0:30	6.50	0.00	0.00	19.00	[illegible]	[illegible]	0.00	41.00	0.0%	60.00	0.15	0.00	0.15	[illegible]	0.0	0.0	[illegible]	0.0	2.5
Initial Production	6/9/19 6:00 PM	(06:30) Increase Choke to 28/64"	2.73	0.00	17	18	3125	24	1:00	7.00	408.00	35.00	36.00	48.57%	51.43%	432.00	59.00	0.0%	95.00	0.26	0.00	0.26	6691.176471	0.0	0.0	2.9	13.2	2.6
Initial Production	6/9/19 7:00 PM		2.78	0.00	107	44	2814	28	1:00	8.00	2568.00	151.00	143.00	70.86%	29.14%	1056.00	103.00	0.1%	246.00	0.38	0.00	0.38	1082.554517	0.1	0.1	0.8	82.8	2.8
Initial Production	6/9/19 8:00 PM	Water Weight = 9.6 ppg Oil API = 44.848 @ 60°F	3.21	0.00	133	72	2840	28	1:00	9.00	3192.00	205.00	276.00	64.88%	35.12%	1728.00	175.00	0.1%	451.00	0.51	0.00	0.51	1005.639098	0.1	0.2	0.5	103.0	3.0
Initial Production	6/9/19 9:00 PM	(09:00) Increase Choke to 32/64"	3.16	0.00	120	62	2857	28	1:00	10.00	2880.00	182.00	396.00	65.93%	34.07%	1488.00	237.00	0.1%	633.00	0.64	0.00	0.64	1097.222222	0.1	0.2	0.5	92.9	3.2
Initial Production	6/9/19 10:00 PM		4.08	0.00	146	58	2555	32	1:00	11.00	3504.00	204.00	542.00	71.57%	28.43%	1392.00	295.00	0.2%	837.00	0.81	0.00	0.81	1164.383562	0.1	0.3	0.5	113.0	3.3
Initial Production	6/9/19 11:00 PM	(11:00) Increase Choke to 36/64"	4.15	0.00	155	58	2572	32	1:00	12.00	3720.00	213.00	697.00	72.77%	27.23%	1392.00	353.00	0.2%	1050.00	0.99	0.00	0.99	1115.591398	0.1	0.4	0.5	120.0	3.5
Initial Production	6/10/19 12:00 AM	Water Weight = 9.6 ppg Oil API = 39.30 @ 60°F H2S = 0 ppm	4.68	0.00	192	72	2327	36	1:00	13.00	4608.00	264.00	889.00	72.73%	27.27%	1728.00	425.00	0.3%	1314.00	1.18	0.00	1.18	1015.625	0.1	0.6	0.4	146.6	3.6
Initial Production	6/10/19 1:00 AM		4.93	0.00	232	51	2236	36	1:00	14.00	5568.00	283.00	1121.00	81.98%	18.02%	1224.00	476.00	0.3%	1597.00	1.39	0.00	1.39	865.4166667	0.1	0.7	0.4	179.6	3.7
Initial Production	6/10/19 2:00 AM		4.52	0.00	162	34	2404	36	1:00	15.00	3888.00	196.00	1283.00	82.65%	17.35%	816.00	510.00	0.3%	1793.00	1.57	0.00	1.57	1162.55144	0.1	0.7	0.5	125.4	3.9
Initial Production	6/10/19 3:00 AM	(03:00) Increase Choke to 38/64"	4.84	0.00	133	31	2406	36	1:00	16.00	3192.00	164.00	1416.00	81.10%	18.90%	744.00	541.00	0.3%	1957.00	1.78	0.00	1.78	1516.290727	0.1	0.8	0.6	103.0	4.0
Initial Production	6/10/19 4:00 AM	Water Weight = 9.6 ppg Oil API = 44.462 @ 60°F	4.93	0.00	160	54	2104	38	1:00	17.00	3840.00	214.00	1576.00	74.77%	25.23%	1296.00	595.00	0.4%	2171.00	1.98	0.00	1.98	1283.854167	0.1	1.0	0.6	123.9	4.1
Initial Production	6/10/19 5:00 AM	(5:00) Decrease choke to 36/64"	4.75	0.00	83	34	2300	38	1:00	18.00	1992.00	117.00	1659.00	70.94%	29.06%	816.00	629.00	0.4%	2288.00	2.18	0.00	2.18	2384.538153	0.1	1.0	1.0	64.3	4.2
Initial Production	6/10/19 6:00 AM		4.50	0.00	115	10	2624	36	1:00	19.00	2760.00	125.00	1774.00	92.00%	8.00%	240.00	639.00	0.4%	2413.00	2.37	0.00	2.37	1630.434783	0.0	0.9	0.8	89.0	4.4
Initial Production	6/10/19 7:00 AM		3.80	0.00	125	32	2975	36	0:44	20.00	3000.00	157.00	1899.00	79.62%	20.38%	768.00	671.00	0.4%	2570.00	2.53	0.00	2.53	1266.666667	0.1	0.9	0.4	96.8	4.5
Well Shut in	6/10/19 7:44 AM	SIWP: 3,555 psi(g)					3555		0:01	20.73	0.00	0.00	1899.00	[illegible]	[illegible]	0.00	671.00	0.4%	2570.00	2.53	0.00	2.53	[illegible]	0.0	0.7	[illegible]	0.0	4.6
NPT	6/10/19 7:45 AM	(7:44) Blue light due to Production dump malfunctioning. Hot Oiler on location to flush.							0:15	20.75	0.00	0.00	1899.00	[illegible]	[illegible]	0.00	671.00	0.4%	2570.00	2.53	0.00	2.53	[illegible]	[illegible]	[illegible]	[illegible]	0.0	4.6
NPT	6/10/19 8:00 AM				129	53			0:15	21.00	3096.00	182.00	2028.00	70.88%	29.12%	1272.00	724.00	0.4%	2752.00	2.53	0.00	2.53	0	[illegible]	[illegible]	1.4	99.9	4.6
Initial Production	6/10/19 8:15 AM	(8:15) Open Well to flow on a 36/64" choke with a WHP of 3,777 psi(g)					3777	36	0:45	21.25	0.00	0.00	2028.00	[illegible]	[illegible]	0.00	724.00	0.4%	2752.00	2.53	0.00	2.53	[illegible]	0.0	0.7	[illegible]	0.0	4.6
Initial Production	6/10/19 9:00 AM	(9:00) Increase choke to 38/64"	5.06	0.34	70	19	2484	36	1:00	22.00	1680.00	89.00	2098.00	78.65%	21.35%	456.00	743.00	0.4%	2841.00	2.74	0.01	2.75	3214.285714	0.0	1.1	1.1	54.2	4.7
Initial Production	6/10/19 10:00 AM		4.90	0.42	165	67	2378	38	1:00	23.00	3960.00	232.00	2263.00	71.12%	28.88%	1608.00	810.00	0.5%	3073.00	2.94	0.03	2.97	1342.929293	0.1	1.3	0.5	127.7	4.8
Initial Production	6/10/19 11:00 AM		4.70	0.36	177	62	2182	38	1:00	24.00	4248.00	239.00	2440.00	74.06%	25.94%	1488.00	872.00	0.5%	3312.00	3.14	0.05	3.18	1190.207156	0.1	1.5	0.5	137.0	4.9
Initial Production	6/10/19 12:00 PM	Water Weight = 9.7 ppg Oil API = 43.29 @ 60°F H2S = 0 ppm	4.80	0.59	159	67	2193	38	1:00	25.00	3816.00	226.00	2599.00	70.35%	29.65%	1608.00	939.00	0.6%	3538.00	3.34	0.07	3.41	1411.163522	0.1	1.6	0.6	123.1	5.0
Initial Production	6/10/19 1:00 PM		5.10	0.31	164	58	2184	38	1:00	26.00	3936.00	222.00	2763.00	73.87%	26.13%	1392.00	997.00	0.6%	3760.00	3.56	0.08	3.63	1375.50813	0.1	1.7	0.5	127.0	5.1
Initial Production	6/10/19 2:00 PM		4.80	0.64	154	49	2185	38	1:00	27.00	3696.00	203.00	2917.00	75.86%	24.14%	1176.00	1046.00	0.6%	3963.00	3.75	0.11	3.86	1471.861472	0.1	1.8	0.6	119.2	5.2
Initial Production	6/10/19 3:00 PM		5.00	0.41	169	49	2142	38	1:00	28.00	4056.00	218.00	3086.00	77.52%	22.48%	1176.00	1095.00	0.7%	4181.00	3.96	0.13	4.08	1333.579882	0.1	2.0	0.5	130.8	5.3
Initial Production	6/10/19 4:00 PM	Water Weight = 9.7 ppg Oil Api = 43.74 @ 60°F	4.40	0.78	177	64	2134	38	0:46	29.00	4248.00	241.00	3263.00	73.44%	26.56%	1536.00	1159.00	0.7%	4422.00	4.14	0.16	4.30	1219.632768	0.1	2.1	0.5	137.0	5.4
Well Shut in	6/10/19 4:46 PM	SWP 3647 PSI(G)					3647		0:01	29.77	0.00	0.00	3263.00	[illegible]	[illegible]	0.00	1159.00	0.7%	4422.00	4.14	0.16	4.30	[illegible]	0.0	1.2	[illegible]	0.0	5.5
NPT	6/10/19 4:47 PM	(4:46) Blue light due to Production High-High Level Alarm, from Production dump malfunctioning.					3647		0:13	29.78	0.00	0.00	3263.00	[illegible]	[illegible]	0.00	1159.00	0.7%	4422.00	4.14	0.16	4.30	[illegible]	0.0	1.2	[illegible]	0.0	5.5
NPT	6/10/19 5:00 PM				25	22	4313		0:10	30.00	600.00	47.00	3288.00	53.19%	46.81%	528.00	1181.00	0.7%	4469.00	4.14	0.16	4.30	0	0.0	1.0	0.0	19.4	5.5
Initial Production	6/10/19 5:10 PM	(5:10) Open Well to flow on a 38/64" choke with a WHP of 3,728 psi(g)					3728	38	0:16	30.17	0.00	0.00	3288.00	[illegible]	[illegible]	0.00	1181.00	0.7%	4469.00	4.14	0.16	4.30	[illegible]	0.0	1.2	[illegible]	0.0	5.5
Well Shut in	6/10/19 5:26 PM	SWP 3589 PSI(G)					3589		0:01	30.43	0.00	0.00	3288.00	[illegible]	[illegible]	0.00	1181.00	0.7%	4469.00	4.14	0.16	4.30	[illegible]	0.0	1.2	[illegible]	0.0	5.5
NPT	6/10/19 5:27 PM	(5:27) Blue light due to Production dump malfunctioning. Hot Oiler on the way to flush.							0:33	30.45	0.00	0.00	3288.00	[illegible]	[illegible]	0.00	1181.00	0.7%	4469.00	4.14	0.16	4.30	[illegible]	[illegible]	[illegible]	[illegible]	0.0	5.5
NPT	6/10/19 6:00 PM				80	20	3976		0:41	31.00	1920.00	100.00	3368.00	80.00%	20.00%	480.00	1201.00	0.7%	4569.00	4.14	0.16	4.30	0	0.0	1.1	0.2	61.9	5.6
Initial Production	6/10/19 6:41 PM	(6:41) Open Well to flow on a 38/64" choke with a WHP of 4,200 psi(g)					4200	38	0:19	31.68	0.00	0.00	3368.00	[illegible]	[illegible]	0.00	1201.00	0.7%	4569.00	4.14	0.16	4.30	[illegible]	0.0	1.1	[illegible]	0.0	5.6
Initial Production	6/10/19 7:00 PM		6.15	0.00	61	15	2298	38	1:00	32.00	1464.00	76.00	3429.00	80.26%	19.74%	360.00	1216.00	0.7%	4645.00	4.40	0.16	4.56	4200.819672	0.0	2.0	1.4	47.2	5.7
Initial Production	6/10/19 8:00 PM	(8:20) Decrease choke to 34/64" Bean due to Production treater not keeping up with fluid rate	5.91	0.00	114	27	3672	36	1:00	33.00	2736.00	141.00	3543.00	80.85%	19.15%	648.00	1243.00	0.8%	4786.00	4.64	0.16	4.80	2160.087719	0.0	1.3	0.2	88.3	5.7
Initial Production	6/10/19 9:00 PM		5.24	0.00	153	47	2638	34	1:00	34.00	3672.00	200.00	3696.00	76.50%	23.50%	1128.00	1290.00	0.8%	4986.00	4.86	0.16	5.02	1427.015251	0.1	1.9	0.5	118.5	5.8
Initial Production	6/10/19 10:00 PM		4.90	0.00	159	67	2402	34	1:00	35.00	3816.00	226.00	3855.00	70.35%	29.65%	1608.00	1357.00	0.8%	5212.00	5.06	0.16	5.23	1284.067086	0.1	2.2	0.5	123.1	5.9
Initial Production	6/10/19 11:00 PM		4.86	0.00	171	42	2436	34	1:00	36.00	4104.00	213.00	4026.00	80.28%	19.72%	1008.00	1399.00	0.8%	5425.00	5.27	0.16	5.43	1164.210526	0.1	2.2	0.5	132.4	6.0
Initial Production	6/11/19 12:00 AM		4.91	0.00	169	49	2392	34	1:00	37.00	4056.00	218.00	4195.00	77.52%	22.48%	1176.00	1448.00	0.9%	5643.00	5.47	0.16	5.63	1210.652268	0.1	2.4	0.5	130.8	6.1
Initial Production	6/11/19 1:00 AM		4.97	0.00	163	37	2405	34	0:20	38.00	3912.00	200.00	4358.00	81.50%	18.50%	888.00	1485.00	0.9%	5843.00	5.68	0.16	5.84	1270.449898	0.1	2.4	0.5	126.2	6.2
Well Shut in	6/11/19 1:20 AM	SWP 2500 PSI(G)					2500		0:01	38.33	0.00	0.00	4358.00	[illegible]	[illegible]	0.00	1485.00	0.9%	5843.00	5.68	0.16	5.84	[illegible]	0.0	2.3	[illegible]	0.0	6.2

NPT	6/11/19 1:21 AM	(1:20) Blue light due to Production High-High Level Alarm							0:26	38.35	0.00	0.00	4358.00			0.00	1485.00	0.9%	5843.00	5.88	0.16	5.84					0.0	6.2
Initial Production	6/11/19 1:47 AM	(1:42) Open Well to flow on a 34/64" choke with a WHP of 3,557 psi(g)					3557	34	0:13	38.78	0.00	0.00	4358.00			0.00	1485.00	0.9%	5843.00	5.88	0.16	5.84		0.0	1.8		0.0	6.2
Initial Production	6/11/19 2:00 AM		4.85	0.00	160	20	2405	34	1:00	39.00	3840.00	160.00	4518.00	86.89%	11.11%	480.00	1505.00	0.9%	6023.00	5.88	0.16	6.04	1263.029839	0.1	2.5	0.5	123.9	6.2
Initial Production	6/11/19 3:00 AM		4.98	0.00	136	26	2373	34	1:00	40.00	3264.00	162.00	4680.00	83.95%	16.05%	624.00	1531.00	0.9%	6185.00	6.09	0.16	6.25	1525.735294	0.1	2.6	0.6	105.3	6.3
Initial Production	6/11/19 4:00 AM	(3:30) Increase Choke to 36/64"	5.12	0.00	155	60	2456	36	1:00	41.00	3720.00	215.00	4809.00	72.00%	27.91%	1440.00	1591.00	1.0%	6400.00	6.30	0.16	6.46	1378.344086	0.1	2.6	0.5	126.0	6.4
Initial Production	6/11/19 5:00 AM		5.22	0.00	170	72	2292	36	1:00	42.00	4080.00	242.00	4979.00	70.25%	29.75%	1728.00	1653.00	1.0%	6642.00	6.52	0.16	6.68	1279.411765	0.1	2.9	0.5	131.5	6.5
Initial Production	6/11/19 6:00 AM		5.20	0.00	168	53	2301	36	1:00	43.00	3744.00	209.00	5135.00	74.64%	25.36%	1272.00	1716.00	1.0%	6851.00	6.74	0.16	6.90	1388.888889	0.1	3.0	0.5	120.8	6.6
Initial Production	6/11/19 7:00 AM		5.20	0.00	165	45	2282	36	1:00	44.00	3960.00	210.00	5300.00	78.57%	21.43%	1080.00	1761.00	1.1%	7061.00	6.95	0.16	7.11	1313.131313	0.1	3.1	0.5	127.7	6.6
Initial Production	6/11/19 8:00 AM	Water Weight = 9.7 ppg Oil API = 41.94 @ 60°F	4.70	0.41	187	54	2300	36	1:00	45.00	4488.00	241.00	5487.00	77.59%	22.41%	1296.00	1815.00	1.1%	7302.00	7.15	0.16	7.33	1137.923351	0.1	3.2	0.4	144.8	6.7
Initial Production	6/11/19 9:00 AM		4.40	0.72	135	48	2293	36	1:00	46.00	3240.00	183.00	5622.00	73.77%	26.23%	1152.00	1863.00	1.1%	7485.00	7.33	0.21	7.54	1578.703704	0.1	3.3	0.6	104.5	6.8
Initial Production	6/11/19 10:00 AM		4.70	0.41	157	47	2310	36	1:00	47.00	3768.00	204.00	5779.00	76.96%	23.04%	1128.00	1910.00	1.2%	7689.00	7.53	0.22	7.75	1368.953291	0.1	3.3	0.5	121.5	6.9
Initial Production	6/11/19 11:00 AM		4.80	0.69	155	75	2296	36	1:00	48.00	3720.00	230.00	5934.00	67.39%	32.61%	1800.00	1985.00	1.2%	7919.00	7.73	0.25	7.98	1478.075269	0.1	3.4	0.5	120.0	6.9
Initial Production	6/11/19 12:00 PM	Water Weight = 9.7 ppg Oil API = 42.73 @ 60°F H2S = 0 ppm	5.00	0.42	167	58	2485	36	1:00	49.00	4008.00	225.00	6101.00	74.22%	25.78%	1392.00	2043.00	1.2%	8144.00	7.94	0.27	8.21	1383.293413	0.1	3.5	0.5	129.3	7.0
Initial Production	6/11/19 1:00 PM		5.00	0.67	183	58	2538	36	1:00	50.00	4392.00	241.00	6284.00	75.93%	24.07%	1392.00	2101.00	1.3%	8365.00	8.14	0.30	8.44	1299.306546	0.1	3.3	0.4	141.7	7.1
Initial Production	6/11/19 2:00 PM		4.80	0.85	172	55	2537	36	1:00	51.00	4128.00	227.00	6456.00	75.77%	24.23%	1320.00	2156.00	1.3%	8612.00	8.34	0.33	8.68	1367.732558	0.1	3.4	0.4	133.2	7.1
Initial Production	6/11/19 3:00 PM		5.20	0.61	157	65	2549	36	0:15	52.00	3768.00	222.00	6613.00	70.72%	29.28%	1560.00	2221.00	1.3%	8834.00	8.58	0.36	8.92	1540.605096	0.1	3.5	0.5	121.5	7.2
Well Shut in	6/11/19 3:15 PM	SIWP: 3,490 psi(g)					3490		0:01	52.25	0.00	0.00	6613.00			0.00	2221.00	1.3%	8834.00	8.58	0.36	8.92		0.0	2.5		0.0	7.2
NPT	6/11/19 3:16 PM	(3:15) Shut in Well for Delta to Replace H5's ESD. Operations would be over pressurized lines. TFMC Bled off high pressure lines.							0:44	52.27	0.00	0.00	6613.00			0.00	2221.00	1.3%	8834.00	8.58	0.36	8.92					0.0	7.2
NPT	6/11/19 4:00 PM				99	25	3632		0:30	53.00	2376.00	124.00	6712.00	79.84%	20.16%	600.00	2246.00	1.4%	8958.00	8.58	0.36	8.92	0	0.0	2.5	0.3	76.6	7.3
Initial Production	6/11/19 4:30 PM	(4:30) Open Well to flow on a 36/64" choke with a WHP of 3,630 psi(g)					3630	36	0:30	53.50	0.00	0.00	6712.00			0.00	2246.00	1.4%	8958.00	8.58	0.36	8.92		0.0	2.5		0.0	7.3
Initial Production	6/11/19 5:00 PM		4.51	0.49	18	20	2552	36	1:00	54.00	432.00	36.00	6730.00	47.37%	52.63%	480.00	2266.00	1.4%	8996.00	8.75	0.38	9.13	11583.33333	0.0	3.5	4.1	13.9	7.3
Initial Production	6/11/19 6:00 PM		5.47	0.63	186	46	2622	36	1:00	55.00	4464.00	232.00	6916.00	80.17%	19.83%	1104.00	2312.00	1.4%	9226.00	8.98	0.41	9.38	1366.487455	0.1	3.6	0.4	144.0	7.4
Initial Production	6/11/19 7:00 PM		5.37	0.61	180	53	2557	36	1:00	56.00	4320.00	233.00	7096.00	77.25%	22.75%	1272.00	2365.00	1.4%	9461.00	9.20	0.43	9.63	1384.259259	0.1	3.7	0.4	139.4	7.5
Initial Production	6/11/19 8:00 PM	Water Weight = 9.7 ppg Oil API = 43.70 @ 60°F	5.50	0.41	177	56	2538	36	1:00	57.00	4248.00	233.00	7273.00	75.97%	24.03%	1344.00	2421.00	1.5%	9694.00	9.43	0.45	9.88	1391.242938	0.1	3.8	0.4	137.0	7.5
Initial Production	6/11/19 9:00 PM		5.10	0.60	171	63	2388	36	1:00	58.00	4104.00	234.00	7444.00	73.08%	26.92%	1512.00	2484.00	1.5%	9928.00	9.64	0.47	10.12	1388.401559	0.1	4.2	0.5	132.4	7.6
Initial Production	6/11/19 10:00 PM		5.03	0.44	166	54	2337	36	1:00	59.00	3984.00	220.00	7610.00	75.45%	24.55%	1296.00	2538.00	1.5%	10148.00	9.85	0.49	10.34	1372.991968	0.1	4.3	0.5	128.5	7.7
Initial Production	6/11/19 11:00 PM		5.09	0.41	160	53	2366	36	1:00	60.00	3840.00	213.00	7770.00	75.12%	24.88%	1272.00	2591.00	1.6%	10361.00	10.06	0.51	10.57	1432.291667	0.1	4.4	0.5	123.9	7.7
Initial Production	6/12/19 12:00 AM	Water Weight = 9.7 ppg Oil API = 44.22 @ 60°F H2S = 0 ppm	5.10	0.49	164	53	2417	36	1:00	61.00	3935.00	217.00	7934.00	75.58%	24.42%	1272.00	2644.00	1.6%	10578.00	10.28	0.53	10.81	1420.223577	0.1	4.4	0.5	127.0	7.8
Initial Production	6/12/19 1:00 AM		5.80	0.43	166	56	2429	36	1:00	62.00	3984.00	222.00	8100.00	74.77%	25.23%	1344.00	2700.00	1.6%	10800.00	10.52	0.55	11.06	1562.751004	0.1	4.4	0.5	128.5	7.9
Initial Production	6/12/19 2:00 AM		5.03	0.50	163	67	2489	36	1:00	63.00	3912.00	230.00	8263.00	70.87%	29.13%	1608.00	2767.00	1.7%	11030.00	10.73	0.57	11.30	1414.366053	0.1	4.4	0.5	126.2	7.9
Initial Production	6/12/19 3:00 AM		5.29	0.56	172	53	2514	36	1:00	64.00	4128.00	225.00	8435.00	76.44%	23.56%	1272.00	2820.00	1.7%	11255.00	10.95	0.59	11.54	1417.151163	0.1	4.5	0.4	133.2	8.0
Initial Production	6/12/19 4:00 AM	Water Weight = 9.7 ppg Oil API = 43.98 @ 60°F	5.02	0.51	170	56	2475	36	1:00	65.00	4080.00	225.00	8605.00	75.22%	24.78%	1344.00	2876.00	1.7%	11481.00	11.16	0.61	11.77	1354.656863	0.1	4.6	0.5	131.6	8.1
Initial Production	6/12/19 5:00 AM		5.80	0.48	170	62	2515	36	1:00	66.00	4080.00	232.00	8775.00	73.28%	26.72%	1488.00	2938.00	1.8%	11713.00	11.40	0.63	12.03	1539.215686	0.1	4.7	0.4	131.6	8.1
Initial Production	6/12/19 6:00 AM		5.30	0.50	173	62	2501	36	1:00	67.00	4152.00	235.00	8948.00	73.62%	26.38%	1488.00	3000.00	1.8%	11948.00	11.62	0.65	12.27	1396.676301	0.1	4.8	0.4	133.9	8.2
Initial Production	6/12/19 7:00 AM		5.80	0.00	168	44	2572	36	1:00	68.00	4032.00	212.00	9116.00	79.25%	20.75%	1056.00	3044.00	1.8%	12160.00	11.86	0.65	12.51	1438.492063	0.1	4.7	0.4	130.1	8.2
Initial Production	6/12/19 8:00 AM	Water Weight = 9.7 ppg Oil API = 42.89 @ 60°F	5.30	0.49	170	52	2504	36	1:00	69.00	4080.00	222.00	9286.00	76.58%	23.42%	1248.00	3096.00	1.9%	12382.00	12.08	0.67	12.76	1419.117647	0.1	4.9	0.4	131.6	8.3
Initial Production	6/12/19 9:00 AM		5.20	0.54	170	58	2512	36	1:00	70.00	4080.00	228.00	9456.00	74.58%	25.44%	1392.00	3154.00	1.9%	12610.00	12.30	0.70	12.99	1406.127451	0.1	5.0	0.4	131.6	8.4
Initial Production	6/12/19 10:00 AM		5.20	0.66	115	35	2485	36	1:00	71.00	2760.00	150.00	9571.00	76.67%	23.33%	840.00	3189.00	1.9%	12760.00	12.52	0.72	13.24	2122.826087	0.1	5.1	0.7	89.0	8.4
Initial Production	6/12/19 11:00 AM		5.60	0.11	160	44	2476	36	1:00	72.00	3840.00	204.00	9731.00	78.43%	21.57%	1056.00	3233.00	2.0%	12964.00	12.75	0.73	13.48	1486.979167	0.1	5.2	0.5	123.9	8.5
Initial Production	6/12/19 12:00 PM	Water Weight = 9.7 ppg Oil API = 42.41 @ 60°F H2S = 0 ppm	5.00	0.62	161	54	2506	36	1:00	73.00	3864.00	215.00	9892.00	74.68%	25.12%	1296.00	3287.00	2.0%	13179.00	12.96	0.75	13.71	1483.416149	0.1	5.3	0.5	124.6	8.5
Initial Production	6/12/19 1:00 PM		5.20	0.52	151	63	2442	36	1:00	74.00	3624.00	214.00	10043.00	70.58%	29.44%	1512.00	3356.00	2.0%	13390.00	13.17	0.77	13.95	1577.262693	0.1	5.5	0.5	116.9	8.6
Initial Production	6/12/19 2:00 PM		5.90	0.31	163	52	2489	36	1:00	75.00	3912.00	215.00	10206.00	75.81%	24.19%	1248.00	3402.00	2.1%	13608.00	13.42	0.79	14.21	1587.187689	0.1	5.5	0.5	126.2	8.7
Initial Production	6/12/19 3:00 PM		5.40	0.47	157	52	2500	36	1:00	76.00	3768.00	209.00	10363.00	75.12%	24.88%	1248.00	3454.00	2.1%	13817.00	13.64	0.81	14.45	1558.917197	0.1	5.5	0.5	121.5	8.7
Initial Production	6/12/19 4:00 PM	(4:30) Decrease choke to 34/64" Water Weight = 9.7 ppg Oil API = 42.75 @ 60°F	5.73	0.48	170	60	2483	36	1:00	77.00	4080.00	230.00	10533.00	73.91%	26.09%	1440.00	3514.00	2.1%	14047.00	13.88	0.83	14.71	1519.862941	0.1	5.7	0.4	131.6	8.8
Initial Production	6/12/19 5:00 PM		5.47	0.33	166	51	2520	34	1:00	78.00	3984.00	217.00	10699.00	76.50%	23.50%	1224.00	3565.00	2.2%	14264.00	14.11	0.84	14.96	1465.823293	0.1	5.7	0.5	128.5	8.8
Initial Production	6/12/19 6:00 PM		4.76	0.31	162	38	2427	34	1:00	79.00	3888.00	200.00	10861.00	81.00%	19.00%	912.00	3603.00	2.2%	14464.00	14.31	0.85	15.16	1305.555556	0.1	6.0	0.5	125.4	8.9
Initial Production	6/12/19 7:00 PM	(7:00) Decrease Choke to 32/64"	4.57	0.38	149	55	2431	34	1:00	80.00	3678.00	204.00	11010.00	73.04%	26.96%	1320.00	3658.00	2.2%	14668.00	14.50	0.87	15.37	1383.668904	0.1	6.0	0.5	115.4	8.9
Initial Production	6/12/19 8:00 PM	Water Weight = 9.7 ppg Oil API = 43.84 @ 60°F	5.41	0.00	134	45	2518	32	1:00	81.00	3216.00	179.00	11144.00	74.86%	25.14%	1080.00	3703.00	2.2%	14847.00	14.73	0.87	15.60	1682.21393	0.1	5.8	0.6	103.7	9.0
Initial Production	6/12/19 9:00 PM	(9:00) Decrease Choke to 30/64"	5.35	0.00	148	45	2518	32	1:00	82.00	3552.00	193.00	11282.00	76.68%	23.32%	1080.00	3748.00	2.3%	15040.00	14.95	0.87	15.82	1506.193694	0.1	6.0	0.5	114.6	9.1
Initial Production	6/12/19 10:00 PM		4.17	0.23	130	40	2726	30	1:00	83.00	3120.00	170.00	11422.00	76.47%	23.53%	960.00	3788.00	2.3%	15210.00	15.12	0.88	16.00	1412.5	0.1	5.8	0.5	100.6	9.1
Initial Production	6/12/19 11:00 PM	(11:00) Decrease Choke to 28/64"	4.67	0.00	128	40	2724	30	1:00	84.00	3072.00	168.00	11556.00	76.19%	23.81%	960.00	3828.00	2.3%	15378.00	15.32	0.88	16.20	1520.182292	0.1	5.8	0.5	99.1	9.2
Initial Production	6/13/19 12:00 AM	Water Weight = 9.7 ppg Oil API = 43.71 @ 60°F H2S = 0 ppm	4.30	0.00	120	45	2795	28	1:00	85.00	2880.00	165.00	11670.00	72.73%	27.27%	1080.00	3873.00	2.3%	15543.00	15.50	0.88	16.38	1493.056566	0.1	5.8	0.5	92.9	9.2
Initial Production	6/13/19 1:00 AM	(1:00) Decrease Choke to 26/64"	3.48	0.40	118	35	2797	28	1:00	86.00	2832.00	153.00	11788.00	77.12%	22.88%	840.00	3908.00	2.4%	15686.00	15.64	0.90	16.54	1372.175141	0.1	5.6	0.5	91.4	9.3
Initial Production	6/13/19 2:00 AM		2.81	0.32	114	27	2889	26	1:00	87.00	2736.00	141.00	11902.00	80.86%	19.15%	648.00	3935.00	2.4%	15837.00	15.78	0.91	16.67	1143.640351	0.0	5.5	0.5	86.3	9.3
Initial Production	6/13/19 3:00 AM	(3:00) Decrease Choke to 24/64"	2.88	0.33	114	27	2897	26	1:00	88.00	2736.00	141.00	12016.00	80.85%	19.15%	648.00	3962.00	2.4%	15978.00	15.88	0.92	16.80	1172.880117	0.0	5.5	0.5	86.3	9.4
Initial Production	6/13/19 4:00 AM	Water Weight = 9.7 ppg Oil API = 43.69 @ 60°F	3.29	0.00	103	31	2935	24	1:00	89.00	2472.00	134.00	12119.00	76.87%	23.13%	744.00	3993.00	2.4%	16112.00	16.02	0.92	16.94	1330.906149	0.0	5.5	0.6	79.7	9.4
Initial Production	6/13/19 5:00 AM	(5:30) Decrease choke to 22/64"	3.27	0.00	111	40	2983	24	1:00	90.00	2664.00	151.00	12236.00	73.51%	26.49%	960.00	4033.00	2.4%	16253.00	16.15	0.92	17.08	1227.477477	0.1	5.5	0.5	85.0	9.5
Initial Production	6/13/19 6:00 AM		2.80	0.00	89	36	3011	22	1:00	91.00	2136.00	126.00	12319.00	71.20%	28.80%	864.00	4069.00	2.5%	16388.00	16.27	0.92	17.19	1310.861423	0.0	5.4	0.8	68.9	9.5
Initial Production	6/13/19 7:00 AM		2.80	0.00	92	25	3045	22	1:00	92.00	2208.00	117.00	12411.00	78.63%	21.37%	600.00	4094.00	2.5%	16505.00	16.38	0.92	17.31	1268.115942	0.0	5.4	0.6	71.2	9.6
Initial Production	6/13/19 8:00 AM	Water Weight - 9.7 ppg Oil API = 43.74 @ 60°F	2.80	0.00	89	22	3043	22	1:00	93.00	2136.00	111.00	12508.00	80.18%	19.82%	528.00	4116.00	2.5%	16616.00	16.50	0.92	17.43	1310.861423	0.0	5.5	0.6	68.9	9.6
Initial Production	6/13/19 9:00 AM		2.80	0.00	98	26	3043	22	1:00	94.00	2352.00	124.00	12598.00	79.03%	20.97%	624.00	4142.00	2.5%	16740.00	16.62	0.92	17.54	1190.47619	0.0	5.6	0.5	75.9	9.7
Flowback operations complete	6/13/19 10:00 AM	(10:00) Turned over on a TFMC 22/64" choke to Production 15/64" choke at 3,029 psi(g). Manifold sand sample = 0.01%	2.80	0.00	95	31	3029	22	0:00	95.00	2280.00	126.00	12693.00	75.40%	24.60%	744.00	4173.00	2.5%	16866.00	16.73	0.92	17.66	1228.070175	0.0	5.6	0.6	73.5	9.7

Version.20190404

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY	
Company Name	Hess Corporation
Well Name	BB-FEDERAL-151-95-0817H-5
API Number	
Area Work Team	D
Field	BB
Formation	TF
Area (Acres)	1280
Date on Location	6/1/2019
Initial Flowback Date	6/6/19 12:00 PM
Flowback Company	TechnipFMC
Responsible Contractor	Joshua Turmon
Phone Contact	701-389-9367
Initial Shut-in Tubing Pressure (Psi)	4,209 PSI

FRAC JOB SUMMARY		
Type Frac Job	Hydraulic Frac	
TOTAL Clean Fluid Pumped	106,567	BBLS
TOTAL Sand Pumped	5,287,439	LBS
Proposed # Stages	31	Stages
Effective # Stages	31	Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
Flowback Crew / Hess FB Supervisor
Flowback
Automatic

Event Phase	Date MM/DD/YY TIME	Remarks	Flared Gas Rate (FB) MMscfd	Sales Gas Rate MMscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psi(g)	Choke Size in (# /64)	Duration hrs	Cum Time hrs	Oil Daily bbl/day	Total Fluid bbl/hr	Oil Cum bbl	Oil Cut %	Water Cut %	Water Daily bbl/day	Water Cum bbl	Load Recovery %	Total Liq Cum bbl	Flared Gas Cum MMscf	Sales Gas Cum MMSCF	Total Gas Cum MMSCF	GOR scf/bbl	BFPH/FTP (bbls/psi)	Cum FTPH/FTP (bbl/psi)	T/PI (psi/bbl)	BO/Stage (bbls/stg)
	6/5/19 11:00 PM	Report start time	0.00	0.00	0	0	4209	0	0:00	0	0.00	0	0				0	0.0%	0	0.00	0.00	0.00		0.0	0.0		0.0
Standard Work	6/5/19 8:00 AM	(8:10) TFMC Begin RDMO to HS.							1:00	0.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0
Standard Work	6/5/19 9:00 AM	(9:00) TFMC completed 1502 flowline & TPR. Quale Trucking Fill in lines for (10:00) TFMC completes 206 sales line Rig in. Quale Trucking fill in lines for PT.							1:00	1.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0
Standard Work	6/5/19 10:00 AM	(10:15) TFMC begins Housekeeping, maitenance. (10:45) Arp Testing arrives on location. (11:00) Arp begins pressure test. Test 1502 flowline to 1,500 psi(g).							1:00	2.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0
Standard Work	6/5/19 11:00 AM	(11:10) Test to 3000 psi(g). Test to 4,500 (11:50) 1502 PT completed. (11:55) Arp begins 206 Sales PT.							1:00	3.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0
Standard Work	6/5/19 12:00 PM	(12:15) Pressure test complete. TFMC ready for Well Opening.							1:00	4.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0
Standard Work	6/5/19 1:00 PM								0:15	5.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0
Initial Flowback	6/6/19 1:15 PM	(1:15) Open Well to flow on a 24/64" choke with an IOP of 4,209 psi(g) to the blowdown tank through the bypass. Immediate Gas and Oil to surface. Diver flow to H90088					4209	24	0:15	5.25	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0
Initial Production	6/6/19 1:30 PM	(1:30) Oil to Production on a 24/64" choke with a WHP of 3,329 psi(g).					3329	24	0:30	5.50	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0
Initial Production	6/6/19 2:00 PM		0.87	0.00	36	50	2868	24	1:00	6.00	864.00	86.00	36.00	41.86%	58.14%	1200.00	50.00	0.0%	86.00	0.04	0.00	0.04	1005.787037	0.0	0.0	1.6	27.9
Initial Production	6/6/19 3:00 PM	(3:30) Increase choke to 28/64"	2.12	0.18	41	54	3014	24	1:00	7.00	984.00	95.00	77.00	43.16%	56.84%	1296.00	104.00	0.1%	181.00	0.12	0.01	0.13	2340.447154	0.0	0.1	1.2	31.7
Initial Production	6/6/19 4:00 PM	Water Weight = 8.8 ppg Oil API = 46.32 @ 60°F	2.40	0.13	38	61	2723	28	1:00	8.00	912.00	99.00	115.00	38.38%	61.62%	1464.00	165.00	0.2%	280.00	0.22	0.01	0.24	2769.736842	0.0	0.1	1.6	29.4
Initial Production	6/6/19 5:00 PM	(5:30) Increase choke to 32/64"	2.53	0.21	107	87	2723	28	1:00	9.00	2568.00	194.00	222.00	55.15%	44.85%	2088.00	252.00	0.2%	474.00	0.33	0.02	0.35	1066.586785	0.1	0.2	0.6	82.8
Initial Production	6/6/19 6:00 PM		3.38	0.32	115	66	2480	32	1:00	10.00	2760.00	181.00	337.00	63.54%	36.46%	1584.00	318.00	0.3%	655.00	0.47	0.03	0.51	1340.57971	0.1	0.3	0.6	89.0
Initial Production	6/6/19 7:00 PM	(7:30) Increase choke to 36/64"	3.26	0.29	141	59	2448	32	1:00	11.00	3384.00	200.00	478.00	70.50%	29.50%	1416.00	377.00	0.4%	855.00	0.61	0.05	0.65	1049.054374	0.1	0.3	0.5	109.2
Initial Production	6/6/19 8:00 PM	Water Weight = 9.8 ppg Oil API = 44.32 @ 60°F	3.45	0.15	132	82	2432	36	1:00	12.00	3168.00	214.00	610.00	61.68%	38.32%	1968.00	459.00	0.4%	1069.00	0.75	0.05	0.80	1136.363636	0.1	0.4	0.6	102.2
Initial Production	6/6/19 9:00 PM		3.78	0.22	135	72	2411	36	1:00	13.00	3240.00	207.00	745.00	65.22%	34.78%	1728.00	531.00	0.5%	1276.00	0.91	0.06	0.97	1234.567901	0.1	0.5	0.6	104.5
Initial Production	6/6/19 10:00 PM		4.09	0.14	142	73	2414	38	1:00	14.00	3408.00	215.00	887.00	66.05%	33.95%	1752.00	604.00	0.6%	1491.00	1.08	0.07	1.15	1241.197183	0.1	0.6	0.5	109.9
Initial Production	6/6/19 11:00 PM	(11:00) Increase choke to 38/64"	4.01	0.12	132	80	2418	38	1:00	15.00	3168.00	212.00	1019.00	62.26%	37.74%	1920.00	684.00	0.6%	1703.00	1.25	0.07	1.32	1300.505051	0.1	0.7	0.6	102.2
Initial Production	6/7/19 12:00 AM	Water Weight = 9.9 ppg Oil API = 44.03 @ 60°F H2S = 0 ppm	3.88	0.40	146	72	2324	38	1:00	16.00	3504.00	218.00	1165.00	66.97%	33.03%	1728.00	756.00	0.7%	1921.00	1.41	0.09	1.50	1221.461187	0.1	0.8	0.5	113.0
Initial Production	6/7/19 1:00 AM		4.19	0.11	146	72	2322	38	1:00	17.00	3504.00	218.00	1311.00	66.97%	33.03%	1728.00	828.00	0.8%	2139.00	1.58	0.09	1.66	1227.16895	0.1	0.9	0.5	113.0
Initial Production	6/7/19 2:00 AM		4.17	0.15	142	81	2327	38	1:00	18.00	3408.00	223.00	1453.00	63.58%	36.32%	1944.00	909.00	0.9%	2362.00	1.76	0.10	1.86	1270.539906	0.1	1.0	0.6	109.9
Initial Production	6/7/19 3:00 AM		3.95	0.29	140	72	2308	38	1:00	19.00	3360.00	212.00	1593.00	66.04%	33.96%	1728.00	981.00	0.9%	2574.00	1.92	0.11	2.03	1261.904762	0.1	1.1	0.6	106.4
Initial Production	6/7/19 4:00 AM	Water Weight = 9.8 ppg Oil API = 44.32 @ 60°F	4.15	0.19	149	70	2322	38	1:00	20.00	3576.00	219.00	1742.00	68.04%	31.96%	1680.00	1051.00	1.0%	2793.00	2.09	0.12	2.21	1212.807606	0.1	1.2	0.5	115.4
Initial Production	6/7/19 5:00 AM		4.15	0.14	146	70	2329	38	1:00	21.00	3552.00	218.00	1890.00	67.89%	32.11%	1680.00	1121.00	1.1%	3011.00	2.27	0.13	2.39	1208.896096	0.1	1.3	0.5	114.6
Initial Production	6/7/19 6:00 AM		4.10	0.00	143	54	2345	38	0:10	22.00	3432.00	197.00	2033.00	72.59%	27.41%	1296.00	1175.00	1.1%	3208.00	2.44	0.13	2.56	1194.638695	0.1	1.4	0.5	110.7
Well Shut in	6/7/19 6:10 AM	SIWP: 3352 psi(g)					3352		0:01	22.17	0.00	0.00	2033.00			0.00	1175.00	1.1%	3208.00	2.44	0.13	2.56		0.0	0.9		0.0
NPT	6/7/19 6:11 AM	(6:10) Blue light alarm due to High Level Alarm in Production Facilities.							0:39	22.18	0.00	0.00	2033.00			0.00	1175.00	1.1%	3208.00	2.44	0.13	2.56					0.0
Initial Production	6/7/19 6:50 AM	(6:50) Open Well to flow on a 36/64" choke with a WHP of 3,991 psi					3991	36	0:10	22.83	0.00	0.00	2033.00			0.00	1175.00	1.1%	3208.00	2.44	0.13	2.56		0.0	0.8		0.0
Initial Production	6/7/19 7:00 AM		4.50	0.00	65	31	2446	36	1:00	23.00	1560.00	96.00	2098.00	67.71%	32.29%	744.00	1206.00	1.1%	3304.00	2.62	0.13	2.75	2884.615385	0.0	1.4	1.1	50.3
Initial Production	6/7/19 8:00 AM	(8:00) Increase choke to 40/64" Water Weight = 8.8 ppg Oil API = 44.40 @ 60°F	4.50	0.00	100	58	2339	38	1:00	24.00	2400.00	158.00	2198.00	63.29%	36.71%	1392.00	1264.00	1.2%	3462.00	2.81	0.13	2.94	1875	0.1	1.5	0.8	77.4
Initial Production	6/7/19 9:00 AM		4.80	0.00	159	71	2066	40	1:00	25.00	3816.00	230.00	2357.00	69.13%	30.87%	1704.00	1335.00	1.3%	3692.00	3.01	0.13	3.14	1257.861635	0.1	1.8	0.6	123.1
Initial Production	6/7/19 10:00 AM		4.80	0.00	156	35	2078	40	1:00	26.00	3744.00	191.00	2513.00	81.68%	18.32%	840.00	1370.00	1.3%	3883.00	3.21	0.13	3.34	1282.051282	0.1	1.9	0.6	120.8
Initial Production	6/7/19 11:00 AM		5.00	0.00	159	80	2079	40	1:00	27.00	3816.00	239.00	2672.00	68.53%	33.47%	1920.00	1450.00	1.4%	4122.00	3.42	0.13	3.55	1310.272537	0.1	2.0	0.6	123.1
Initial Production	6/7/19 12:00 PM	Water Weight = 9.8 ppg Oil API = 43.19 @ 60°F H2S = 0 ppm	5.00	0.00	160	70	2095	40	1:00	28.00	3840.00	230.00	2832.00	69.57%	30.43%	1680.00	1520.00	1.4%	4352.00	3.63	0.13	3.75	1302.083333	0.1	2.1	0.6	123.9
Initial Production	6/7/19 1:00 PM	(1:00) Decrease choke to 38/64"	5.00	0.00	155	90	2090	40	1:00	29.00	3720.00	245.00	2987.00	63.27%	36.73%	2160.00	1610.00	1.5%	4597.00	3.84	0.13	3.96	1344.086022	0.1	2.2	0.6	120.0
Initial Production	6/7/19 2:00 PM		5.00	0.00	156	77	2164	38	1:00	30.00	3744.00	233.00	3143.00	66.95%	33.05%	1848.00	1687.00	1.6%	4830.00	4.04	0.13	4.17	1335.470085	0.1	2.2	0.5	120.8
Initial Production	6/7/19 3:00 PM		5.00	0.00	164	78	2162	38	1:00	31.00	3936.00	242.00	3307.00	67.77%	32.23%	1872.00	1766.00	1.7%	5072.00	4.25	0.13	4.38	1270.325203	0.1	2.3	0.5	127.0
Initial Production	6/7/19 4:00 PM	Water Weight = 9.6 ppg Oil API = 43.45 @ 60°F	4.90	0.00	150	80	2177	38	1:00	32.00	3600.00	230.00	3457.00	65.22%	34.78%	1920.00	1845.00	1.7%	5302.00	4.46	0.13	4.58	1361.111111	0.1	2.4	0.6	116.1
Initial Production	6/7/19 5:00 PM		4.95	0.00	150	72	2156	38	0:55	33.00	3600.00	222.00	3697.00	67.57%	32.43%	1728.00	1917.00	1.8%	5524.00	4.66	0.13	4.79	1375	0.1	2.6	0.6	116.1
Well Shut in	6/7/19 5:55 PM	SIWP: 3242 psi(g)					3242		0:01	33.92	0.00	0.00	3697.00			0.00	1917.00	1.8%	5524.00	4.66	0.13	4.79		0.0	1.7		0.0
NPT	6/7/19 5:56 PM	(5:55) Blue light alarm due to High Temp Alarm in Production Facilities.							0:04	33.93	0.00	0.00	3697.00			0.00	1917.00	1.8%	5524.00	4.66	0.13	4.79					0.0
NPT	6/7/19 6:00 PM	Production working on getting treater operational			80	151	3275		0:14	34.00	1920.00	231.00	3687.00	34.63%	65.37%	3624.00	2068.00	1.9%	5755.00	4.66	0.13	4.79	0	0.1	1.8	0.5	61.9
Initial Production	6/7/19 6:14 PM	(6:14) Open Well to flow on a 38/64" choke with a WHP of 3,465 psi					3465	38	0:46	34.23	0.00	0.00	3687.00			0.00	2068.00	1.9%	5755.00	4.66	0.13	4.79		0.0	1.7		0.0
Initial Production	6/7/19 7:00 PM		5.23	0.00	27	66	2320	38	1:00	35.00	648.00	93.00	3714.00	29.03%	70.97%	1584.00	2134.00	2.0%	5848.00	4.88	0.13	5.01	8070.987654	0.0	2.5	2.9	20.9
Initial Production	6/7/19 8:00 PM	Water Weight = 9.6 ppg Oil API = 43.23 @ 60°F	5.25	0.33	161	71	2160	38	1:00	36.00	3864.00	232.00	3875.00	69.40%	30.60%	1704.00	2205.00	2.1%	6080.00	5.10	0.14	5.24	1444.099379	0.1	2.8	0.5	124.6
Initial Production	6/7/19 9:00 PM		5.07	0.27	142	75	2179	38	1:00	37.00	3408.00	217.00	4017.00	65.44%	34.56%	1800.00	2280.00	2.1%	6297.00	5.31	0.15	5.46	1566.901408	0.1	2.9	0.6	109.9
Initial Production	6/7/19 10:00 PM		5.08	0.31	160	72	2154	38	1:00	38.00	3840.00	232.00	4177.00	68.97%	31.03%	1728.00	2352.00	2.2%	6529.00	5.52	0.16	5.69	1403.645833	0.1	3.0	0.5	123.9
Initial Production	6/7/19 11:00 PM		5.40	0.00	136	74	2158	38	0:01	39.00	3264.00	210.00	4313.00	64.76%	35.24%	1776.00	2426.00	2.3%	6739.00	5.75	0.16	5.91	1654.411765	0.1	3.1	0.6	105.3
Well Shut in	6/7/19 11:01 PM	SIWP: 3051 psi(g)					3051		0:01	39.02	0.00	0.00	4313.00			0.00	2426.00	2.3%	6739.00	5.75	0.16	5.91		0.0	2.0		0.0
NPT	6/7/19 11:02 PM	(11:01) Blue light alarm due to Oil Valve in Production Facilities.							0:20	39.03	0.00	0.00	4313.00			0.00	2426.00	2.3%	6739.00	5.75	0.16	5.91					0.0

Initial Production	6/7/19 11:22 PM	(11:22) Open Well to flow on a 38/64" choke with a WHP of 3,523 psi					3523	38	0.38	39.37	0.00	0.00	4313.00			0.00	2426.00	2.3%	6739.00	5.75	0.16	5.91		0.0	1.9		0.0
Initial Production	6/8/19 12:00 AM	Water Weight = 9.6 ppg Oil API = 42.19 @ 60°F H2S = 0 ppm	5.36	0.00	91	40	2258	38	1.00	40.00	2184.00	131.00	4404.00	69.47%	30.53%	960.00	2466.00	2.3%	6870.00	5.97	0.16	6.14	2454.212464	0.1	3.6	0.9	70.5
Initial Production	6/8/19 1:00 AM		5.33	0.00	129	72	2148	38	1.00	41.00	3096.00	201.00	4533.00	64.18%	35.82%	1728.00	2538.00	2.4%	7071.00	6.19	0.16	6.36	1721.578227	0.1	3.3	0.7	99.9
Initial Production	6/8/19 2:00 AM		5.49	0.00	62	142	2188	38	0.18	42.00	1488.00	204.00	4596.00	38.39%	69.61%	3408.00	2592.00	2.5%	7275.00	6.42	0.16	6.59	3689.516129	0.1	3.3	1.4	48.0
Well Shut in	6/8/19 2:16 AM	(2:16) SWP: 3310 psig;					3310		0.01	42.32	0.00	0.00	4595.00			0.00	2592.00	2.5%	7275.00	6.42	0.16	6.59		0.0	2.2		0.0
NPT	6/8/19 2:18 AM	(2:16) Blue light alarm due to Oil Valve in Production Facilities. Hess Pumper informed us to stay shut in until hot oiler arrives. ETA 06:00, began monitoring build up pressure.							0.41	42.32	0.00	0.00	4595.00			0.00	2592.00	2.5%	7275.00	6.42	0.16	6.59					0.0
NPT	6/8/19 3:00 AM		0.00	0.00	40	26	3580		1.00	43.00	960.00	66.00	4635.00	60.61%	39.39%	624.00	2706.00	2.5%	7341.00	6.42	0.16	6.59	0	0.0	2.1	0.7	31.0
NPT	6/8/19 4:00 AM						3600		1.00	44.00	0.00	0.00	4635.00			0.00	2706.00	2.5%	7341.00	6.42	0.16	6.59		0.0	2.0		0.0
NPT	6/8/19 5:00 AM						3650		1.00	45.00	0.00	0.00	4635.00			0.00	2706.00	2.5%	7341.00	6.42	0.16	6.59		0.0	2.0		0.0
NPT	6/8/19 6:00 AM						3689		1.00	46.00	0.00	0.00	4635.00			0.00	2706.00	2.5%	7341.00	6.42	0.16	6.59		0.0	2.0		0.0
NPT	6/8/19 7:00 AM	(7:30) TFMC Depressurized H50065 to fix Sight Glass Ball valve positioning					3750		1.00	47.00	0.00	0.00	4635.00			0.00	2706.00	2.5%	7341.00	6.42	0.16	6.59		0.0	2.0		0.0
NPT	6/8/19 8:00 AM						3771		0.30	48.00	0.00	0.00	4635.00			0.00	2706.00	2.5%	7341.00	6.42	0.16	6.59		0.0	1.9		0.0
Initial Production	6/8/19 8:30 AM	(8:30) Open well on a 30/64" per production with a WHP of 3784 psi(g).Will gradually increase 2/64"choke size every 30 Minutes. Filling Vessel					3784	30	0.30	48.50	0.00	0.00	4635.00			0.00	2706.00	2.5%	7341.00	6.42	0.16	6.59		0.0	1.9		0.0
Initial Production	6/8/19 9:00 AM	(9:00) Increase choke to 32/64". (9:30) Increase choke to 34/64".	4.34	0.00	0	0	2735	30	1.00	49.00	0.00	0.00	4635.00			0.00	2706.00	2.5%	7341.00	6.60	0.16	6.77		0.0	2.7		0.0
Initial Production	6/8/19 10:00 AM	(10:00) Increase choke to 36/64". (10:30) Increase choke to 38/64"	5.00	0.00	209	40	2405	34	1.00	50.00	5016.00	249.00	4844.00	83.94%	16.06%	960.00	2746.00	2.6%	7590.00	6.81	0.16	6.98	996.8102673	0.1	3.2	0.4	161.8
Initial Production	6/8/19 11:00 AM		5.10	0.00	84	81	2194	38	1.00	51.00	2016.00	165.00	4928.00	50.91%	49.09%	1944.00	2827.00	2.7%	7755.00	7.02	0.16	7.19	2529.781690	0.1	3.5	1.0	68.0
Initial Production	6/8/19 12:00 PM	Water Weight = 9.8 ppg Oil API = 44.26 @ 60°F H2S = 0 ppm	5.00	0.00	153	73	2153	38	1.00	52.00	3672.00	228.00	5081.00	67.70%	32.30%	1752.00	2900.00	2.7%	7961.00	7.23	0.16	7.40	1361.655773	0.1	3.7	0.6	118.5
Initial Production	6/8/19 1:00 PM		5.00	0.00	181	85	2162	38	1.00	53.00	4344.00	269.00	5282.00	68.05%	31.95%	2040.00	2985.00	2.8%	8247.00	7.44	0.16	7.61	1151.012891	0.1	3.8	0.5	140.1
Initial Production	6/8/19 2:00 PM		4.80	0.00	147	78	2152	38	1.00	54.00	3528.00	225.00	5409.00	65.33%	34.67%	1872.00	3063.00	2.9%	8472.00	7.64	0.16	7.81	1360.544218	0.1	3.9	0.6	113.8
Initial Production	6/8/19 3:00 PM		5.10	0.00	159	67	2142	38	1.00	55.00	3816.00	225.00	5568.00	70.35%	29.65%	1608.00	3130.00	2.9%	8698.00	7.85	0.16	8.02	1336.477987	0.1	4.1	0.5	123.1
Initial Production	6/8/19 4:00 PM	Water Weight = 9.8 ppg Oil API = 44.45 @ 60°F	5.20	0.00	152	64	2169	38	1.00	56.00	3648.00	238.00	5720.00	64.41%	35.59%	2016.00	3214.00	3.0%	8934.00	8.07	0.16	8.23	1425.438596	0.1	4.1	0.6	117.7
Initial Production	6/8/19 5:00 PM		5.20	0.00	153	67	2156	38	1.00	57.00	3672.00	220.00	5873.00	69.55%	30.45%	1808.00	3281.00	3.1%	9154.00	8.29	0.16	8.45	1416.122084	0.1	4.2	0.6	118.6
Initial Production	6/8/19 6:00 PM		5.90	0.00	156	93	2164	38	1.00	58.00	3744.00	249.00	6029.00	62.66%	37.35%	2232.00	3374.00	3.2%	9403.00	8.53	0.16	8.70	1575.854701	0.1	4.3	0.5	120.8
Initial Production	6/8/19 7:00 PM		5.40	0.00	149	48	2167	38	1.00	59.00	3576.00	197.00	6178.00	75.63%	24.37%	1152.00	3422.00	3.2%	9600.00	8.78	0.16	8.92	1510.067114	0.1	4.4	0.6	115.4
Initial Production	6/8/19 8:00 PM	Water Weight = 9.7 ppg Oil API = 42.11 @ 60°F	5.41	0.00	169	87	2175	38	1.00	60.00	4056.00	259.00	6347.00	66.02%	33.98%	2088.00	3509.00	3.3%	9856.00	8.98	0.16	9.15	1353.82643	0.1	4.5	0.5	130.8
Initial Production	6/8/19 9:00 PM		5.43	0.00	157	66	2178	38	1.00	61.00	3768.00	223.00	6504.00	70.40%	29.60%	1584.00	3575.00	3.4%	10079.00	9.21	0.16	9.37	1441.082803	0.1	4.6	0.5	121.5
Initial Production	6/8/19 10:00 PM		5.41	0.00	159	69	2179	38	1.00	62.00	3816.00	228.00	6683.00	69.74%	30.26%	1656.00	3644.00	3.4%	10307.00	9.43	0.16	9.60	1417.714885	0.1	4.7	0.5	123.1
Initial Production	6/8/19 11:00 PM		5.47	0.00	155	67	2168	38	1.00	63.00	3720.00	222.00	6818.00	69.82%	30.18%	1608.00	3711.00	3.5%	10529.00	9.66	0.16	9.83	1470.430108	0.1	4.9	0.5	120.0
Initial Production	6/9/19 12:00 AM	Water Weight = 9.8 ppg Oil API = 41.59 @ 60°F H2S = 0 ppm	5.51	0.00	161	68	2173	38	1.00	64.00	3864.00	229.00	6979.00	70.31%	29.69%	1632.00	3779.00	3.5%	10758.00	9.89	0.16	10.06	1425.983437	0.1	5.0	0.5	124.6
Initial Production	6/9/19 1:00 AM		5.77	0.00	116	31	2221	38	1.00	65.00	2784.00	147.00	7095.00	78.91%	21.09%	744.00	3810.00	3.6%	10905.00	10.13	0.16	10.30	2072.557471	0.1	4.9	0.7	89.8
Initial Production	6/9/19 2:00 AM		5.38	0.00	168	54	2240	38	1.00	66.00	4032.00	222.00	7263.00	75.68%	24.32%	1296.00	3864.00	3.6%	11127.00	10.36	0.16	10.52	1334.325397	0.1	5.0	0.5	130.1
Initial Production	6/9/19 3:00 AM		5.41	0.00	160	72	2151	38	1.00	67.00	3840.00	232.00	7423.00	68.97%	31.03%	1728.00	3936.00	3.7%	11359.00	10.58	0.16	10.75	1408.854167	0.1	5.3	0.5	123.9
Initial Production	6/9/19 4:00 AM	Water Weight = 9.7 ppg Oil API = 42.45 @ 60°F	5.37	0.00	160	60	2140	39	1.00	68.00	3840.00	220.00	7583.00	72.73%	27.27%	1440.00	3996.00	3.7%	11579.00	10.81	0.16	10.97	1398.4375	0.1	5.4	0.5	123.9
Initial Production	6/9/19 5:00 AM		5.47	0.00	160	79	2181	38	1.00	69.00	3840.00	239.00	7743.00	66.95%	33.05%	1890.00	4075.00	3.8%	11818.00	11.03	0.16	11.20	1424.479167	0.1	5.4	0.5	123.9
Initial Production	6/9/19 6:00 AM		5.40	0.00	158	76	2179	38	1.00	70.00	3792.00	234.00	7901.00	67.52%	32.48%	1824.00	4151.00	3.9%	12052.00	11.26	0.16	11.42	1424.050033	0.1	5.5	0.5	122.3
Initial Production	6/9/19 7:00 AM		5.00	0.00	155	55	2146	38	1.00	71.00	3720.00	210.00	8056.00	73.61%	26.19%	1320.00	4206.00	3.9%	12282.00	11.47	0.16	11.63	1344.086022	0.1	5.7	0.6	129.0
Initial Production	6/9/19 8:00 AM	Water Weight = 9.8 ppg Oil API = 42.14 @ 60°F	5.40	0.00	153	81	2145	38	1.00	72.00	3672.00	234.00	8209.00	65.38%	34.62%	1944.00	4287.00	4.0%	12496.00	11.69	0.16	11.86	1470.588235	0.1	5.8	0.6	118.5
Initial Production	6/9/19 9:00 AM		5.50	0.00	150	70	2172	38	1.00	73.00	3600.00	220.00	8359.00	68.18%	31.82%	1680.00	4357.00	4.1%	12716.00	11.92	0.16	12.09	1527.777778	0.1	5.9	0.6	116.1
Production through Facilities	6/9/19 10:00 AM		5.50	0.00	169	71	2169	38	1.00	74.00	4032.00	239.00	8527.00	70.29%	29.71%	1704.00	4428.00	4.2%	12965.00	12.15	0.16	12.31	1364.087302	0.1	6.0	0.5	130.1
Flowback operations complete	6/9/19 11:00 AM	(11:00) Turned over on a TFMC 38/64" choke to Production 22/64" choke at 2,125 psi(g). Manifold sand sample = 0.01%	5.40	0.00	155	79	2189	38	0.00	75.00	3720.00	234.00	8682.00	66.24%	33.76%	1896.00	4507.00	4.2%	13189.00	12.38	0.16	12.54	1451.612903	0.1	6.0	0.5	120.0

Version 20180102S

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY

Company Name	Hess Corporation
Well Name	BB-FEDERAL-151-95-0817H-8
API Number	
Area Work Team	D
Field	BB
Formation	MB
Area (Acres)	1280
Date on Location	6/1/2019
Initial Flowback Date	6/2/19 9:00 PM
Flowback Company	TechnipFMC
Responsible Contractor	Joshua Twimen
Phone Contact	701-389-9367
Initial Shut-in Tubing Pressure (Psi)	4,196 PSI

FRAC JOB SUMMARY

Type Frac Job	Hydraulic Frac	
TOTAL Clean Fluid Pumped	170,841	BBLS
TOTAL Sand Pumped	10,049,727	LBS
Proposed # Stages	31	Stages
Effective # Stages	31	Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
Flowback Crew / Hess FB Supervisor
Flowback
Automatic

Event Phase	Date MM/DD/YY TIME	Remarks	Flared Gas Rate (FB) MMscfd	Sales Gas Rate MMscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psig	Choke Size in (# /64)	Duration hrs	Cum Time hrs	Oil Daily bbl/day	Total Fluid bbl/hr	Oil Cum bbl	Oil Cut %	Water Cut %	Water Daily bbl/day	Water Cum bbl	Load Recovery %	Total Liq Cum bbl	Flared Gas Cum MMscf	Sales Gas Cum MMSCF	Total Gas Cum MMSCF	GOR scf/bbl	BFPH/FTP (bbls/psi)	Cum FTP/sFTP (bbl/psi)	1/PI (psi/bbl)	BO/Stage (bbls/stg)	SQRT (t) (Hours^0.5)
Standard Work	6/1/19 8:00 AM	(8:00) TFMC arrives on location. Begin staging equipment					3900		1.00	0.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	0.0
Standard Work	6/1/19 9:00 AM	(9:00) TFMC begin Rigging In.					3900		1.00	1.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	1.0
Standard Work	6/1/19 10:00 AM						3900		1.00	2.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	1.4
Standard Work	6/1/19 11:00 AM						3900		1.00	3.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	1.7
Standard Work	6/1/19 12:00 PM						3900		1.00	4.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	2.0
Standard Work	6/1/19 1:00 PM						3900		1.00	5.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	2.2
Standard Work	6/1/19 2:00 PM						3900		1.00	6.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	2.4
Standard Work	6/1/19 3:00 PM						3900		1.00	7.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	2.6
Standard Work	6/1/19 4:00 PM						3900		1.00	8.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	2.8
Standard Work	6/1/19 5:00 PM						4000		1.00	9.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	3.0
Standard Work	6/1/19 6:00 PM	(5:00) Shift Change Handover Meeting. JSA Reviewed and signed by all team members.					4025		1.00	10.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	3.2
Standard Work	6/1/19 7:00 PM	(7:30) Rigging Operations-Standing Flair					4025		1.00	11.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	3.3
Standard Work	6/1/19 8:00 PM						4050		1.00	12.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	3.5
Standard Work	6/1/19 9:00 PM						4050		1.00	13.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	3.6
Standard Work	6/1/19 10:00 PM	(9:30) Rigging operations- completed rigging in sales and sand line to Open top tank.					4075		1.00	14.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	3.7
Standard Work	6/1/19 11:00 PM	(11:00) Rigging operations- Running Flair line					4075		1.00	15.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	3.9
Standard Work	6/2/19 12:00 AM						4100		1.00	16.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	4.0
Standard Work	6/2/19 1:00 AM						4100		1.00	17.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	4.1
Standard Work	6/2/19 2:00 AM						4100		1.00	18.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	4.2
Standard Work	6/2/19 3:00 AM	(3:00) Rigging operations- started Running TPR on all High Pressure line "1502 Waco Pipe"					4100		1.00	19.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	4.4
Standard Work	6/2/19 4:00 AM								1.00	20.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	4.5
Standard Work	6/2/19 5:00 AM								1.00	21.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	4.6
Standard Work	6/2/19 6:00 AM								1.00	22.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	4.7
Standard Work	6/2/19 7:00 AM								1.00	23.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	4.8
Standard Work	6/2/19 8:00 AM	(8:00) Arp Pressure test arrives on location. Waiting for WTI to arrive to fill lines before testing							1.00	24.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	4.9
Standard Work	6/2/19 9:00 AM	(9:00) WTI Arrives on location. Begin filling high pressure lines. (9:30) Arp testing begins Pressure test on High pressure lines. WTI begins filling Low pressure lines.							1.00	25.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	5.0
Standard Work	6/2/19 10:00 AM	(10:00) Arp Pressure test begins testing low pressure lines. (10:25) Pressure test complete							0.30	25.50	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	5.1
Initial Flowback	6/2/19 10:30 AM	(10:30) Open well to flow on a 24/64" choke with an IOP of 4,196 psi(g). Flow to the open top through the bypass. Immediate Gas and Oil to surface. Divert flow to HS0088					4196	24	0.30	26.50	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	5.1
Initial Production	6/2/19 11:00 AM	(11:00) Oil to Production with a WHP of 3,082 psi(g) on a 24/64" choke Water Weight = 9.7 ppg	1.80	0.36	0	0	3082	24	1.00	27.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.08	0.02	0.09		0.0	0.0		0.0	5.2
Initial Production	6/2/19 12:00 PM	Oil API = 44.27 @ 60°F H2S = 0 ppm	1.90	0.37	0	122	3182	24	1.00	28.00	0.00	122.00	0.00	0.00%	100.00%	2928.00	122.00	0.1%	122.00	0.15	0.03	0.19		0.0	0.0		0.0	5.3
Initial Production	6/2/19 1:00 PM	(1:00) Increase choke to 26/64"	1.80	0.42	76	112	3202	24	1.00	29.00	1824.00	188.00	78.00	40.43%	59.57%	2688.00	234.00	0.1%	310.00	0.23	0.05	0.28	1214.364035	0.1	0.1	0.5	58.8	5.4
Initial Production	6/2/19 2:00 PM		2.90	0.26	109	194	3107	28	1.00	30.00	2616.00	213.00	185.00	51.17%	48.83%	2496.00	398.00	0.2%	523.00	0.35	0.06	0.41	1206.422018	0.1	0.2	0.5	84.4	5.5
Initial Production	6/2/19 3:00 PM	(3:00) Increase choke to 32/64"	3.20	0.22	166	79	3045	28	1.00	31.00	2544.00	162.00	291.00	58.24%	41.76%	1824.00	414.00	0.2%	705.00	0.46	0.07	0.53	1043.946641	0.1	0.2	0.5	82.1	5.6
Initial Production	6/2/19 4:00 PM	Water Weight = 9.7 ppg Oil API = 44.19 @ 60°F	3.61	0.29	118	101	2728	32	1.00	32.00	2832.00	218.00	409.00	53.58%	46.12%	2424.00	515.00	0.3%	924.00	0.63	0.08	0.71	1377.118644	0.1	0.3	0.5	91.4	5.7
Initial Production	6/2/19 5:00 PM		3.88	0.12	121	74		32	1.00	33.00	2904.00	195.00	530.00	62.05%	37.95%	1776.00	589.00	0.3%	1119.00	0.79	0.09	0.88	1350.206612			1.4	93.7	5.7
Initial Production	6/2/19 6:00 PM		4.50	0.33	134	79	2486	34	1.00	34.00	3216.00	213.00	664.00	62.91%	37.09%	1896.00	668.00	0.4%	1332.00	0.96	0.10	1.06	1499.689055	0.1	0.5	0.5	103.7	5.8
Initial Production	6/2/19 7:00 PM	(7:00) Increase choke to 36/64"	4.23	0.37	160	75	2397	34	1.00	35.00	2400.00	175.00	764.00	57.14%	42.86%	1800.00	743.00	0.4%	1507.00	1.16	0.11	1.27	1916.666667	0.1	0.6	0.7	77.4	5.9
Initial Production	6/2/19 8:00 PM	Water Weight = 9.5 ppg Oil API = 44.00 @ 60°F	3.12	0.35	90	46	4000	36	1.00	36.00	2160.00	136.00	854.00	66.18%	33.82%	1104.00	789.00	0.5%	1643.00	1.29	0.13	1.41	1806.481481	0.0	0.4	0.1	69.7	6.0
Initial Production	6/2/19 9:00 PM		3.57	0.37	70	172	3206	36	0.07	37.00	1680.00	242.00	924.00	28.93%	71.07%	4128.00	961.00	0.6%	1885.00	1.43	0.14	1.58	2345.238095	0.1	0.6	0.6	54.2	6.1
Well Shut in	6/2/19 9:07 PM	SIWP: 3,251 psi(g)					3251		0.01	37.12	0.00	0.00	924.00			0.00	961.00	0.6%	1885.00	1.43	0.14	1.58		0.0	0.6		0.0	6.1
NPT	6/2/19 9:08 PM	Blue Light due to High level alarm in Production facilities							0.42	37.13	0.00	0.00	924.00			0.00	961.00	0.6%	1885.00	1.43	0.14	1.58					0.0	6.1
Initial Production	6/2/19 9:50 PM	Open well to flow on a 30/64" with a WHP of 4,000 psi(g)							0.10	37.83	0.00	0.00	924.00			0.00	961.00	0.6%	1885.00	1.43	0.14	1.58					0.0	6.2
Initial Production	6/2/19 10:00 PM	(10:30) Increase choke to 32/64"	0.95	0.25	27	27	3205	30	1.00	38.00	648.00	54.00	951.00	50.00%	50.00%	648.00	988.00	0.6%	1939.00	1.47	0.16	1.63	1851.851852	0.0	0.6	1.5	20.9	6.2
Initial Production	6/2/19 11:00 PM	(11:00) Increase choke to 34/64" (11:30) Increase choke to 36/64" (12:00) Increase choke to 38/64"	3.35	0.35	104	36	2975	32	1.00	39.00	2496.00	140.00	1055.00	74.29%	25.71%	864.00	1024.00	0.6%	2079.00	1.61	0.17	1.78	1482.371795	0.0	0.7	0.5	80.5	6.2
Initial Production	6/3/19 12:00 AM	Water Weight = 9.5 ppg Oil API = 44.90 @ 60°F H2S = 0 ppm	4.48	0.37	135	49	2506	36	1.00	40.00	3240.00	184.00	1190.00	73.37%	26.63%	1176.00	1073.00	0.6%	2253.00	1.80	0.19	1.99	1496.679012	0.1	0.8	0.5	104.5	6.3
Initial Production	6/3/19 1:00 AM		4.28	0.23	157	82	2790	38	1.00	41.00	3768.00	219.00	1347.00	71.69%	28.31%	1488.00	1155.00	0.7%	2502.00	1.98	0.19	2.17	1196.921444	0.1	0.9	0.4	121.5	6.4
Initial Production	6/3/19 2:00 AM		4.15	0.26	129	59	2773	38	1.00	42.00	3096.00	188.00	1476.00	68.62%	31.38%	1416.00	1194.00	0.7%	2670.00	2.15	0.21	2.36	1621.18863	0.1	1.0	0.5	99.9	6.5
Initial Production	6/3/19 3:00 AM		4.15	0.32	140	61	2773	38	1.00	43.00	3360.00	221.00	1616.00	63.35%	36.65%	1944.00	1255.00	0.7%	2871.00	2.32	0.22	2.54	1330.357143	0.1	1.0	0.4	106.4	6.6
Initial Production	6/3/19 4:00 AM	Water Weight = 9.5 ppg Oil API = 43.51 @ 60°F	4.26	0.23	145	81	2773	38	1.00	44.00	3480.00	226.00	1761.00	64.16%	35.84%	1944.00	1350.00	0.8%	3117.00	2.50	0.23	2.73	1290.229885	0.1	1.1	0.4	112.3	6.6
Initial Production	6/3/19 5:00 AM		3.50	0.74	137	58	2772	38	1.00	45.00	3288.00	195.00	1898.00	70.26%	29.74%	1392.00	1414.00	0.8%	3312.00	2.65	0.26	2.91	1288.017032	0.1	1.2	0.4	106.1	6.7
Initial Production	6/3/19 6:00 AM		5.06	0.48	145	67	2772	38	1.00	46.00	3480.00	212.00	2043.00	68.40%	31.60%	1608.00	1481.00	0.9%	3524.00	2.80	0.28	3.14	1591.666667	0.1	1.3	0.4	112.3	6.8
Initial Production	6/3/19 7:00 AM	(7:00) Increase choke to 40/64"	3.87	0.73	145	62	2790	38	1.00	47.00	3480.00	207.00	2188.00	70.05%	29.95%	1488.00	1543.00	0.9%	3731.00	3.02	0.31	3.33	1322.701149	0.1	1.3	0.4	112.3	6.9
Initial Production	6/3/19 8:00 AM	Water Weight = 9.6 ppg Oil API = 42.31 @ 60°F	5.06	0.44	155	78	2750	40	1.00	48.00	3720.00	233.00	2343.00	66.52%	33.48%	1872.00	1621.00	0.9%	3964.00	3.23	0.33	3.56	1477.419355	0.1	1.4	0.4	120.0	6.9
Initial Production	6/3/19 9:00 AM		4.70	0.91	151	65	2672	40	1.00	49.00	3624.00	216.00	2494.00	69.91%	30.09%	1560.00	1686.00	1.0%	4160.00	3.43	0.37	3.79	1547.461369	0.1	1.6	0.4	116.9	7.0
Initial Production	6/3/19 10:00 AM		5.40	0.45	148	83	2600	40	0.40	50.00	3552.00	231.00	2642.00	64.07%	35.93%	1992.00	1769.00	1.0%	4411.00	3.65	0.38	4.04	1647.804054	0.1	1.7	0.4	114.8	7.1
Well Shut in	6/3/19 10:40 AM	SIWP: 2,914 psi(g)					2914		0.01	50.67	0.00	0.00	2642.00			0.00	1769.00	1.0%	4411.00	3.65	0.38	4.04		0.0	1.5		0.0	7.1
NPT	6/3/19 10:41 AM	Blue light due to release inside of HS0088							0.19	50.58	0.00	0.00	2642.00			0.00	1769.00	1.0%	4411.00	3.65	0.38	4.04					0.0	7.1
NPT	6/3/19 11:00 AM					147	103	3984	1.00	51.00	3528.00	250.00	2769.00	58.80%	41.20%	2472.00	1872.00	1.1%	4661.00	3.85	0.38	4.04	0	0.1	1.2	0.1	113.8	7.1

NPT	6/3/19 12:00 PM						4021		1.00	52.00	0.00	0.00	2788.00			0.00	1872.00	1.1%	4861.00	3.65	0.38	4.04		0.0	1.2		6.0	7.2
Initial Production	6/3/19 1:00 PM	(1:00) Open well to flow on a 30/64" with a WHP of 4,087 psi(g).					4087	30	1.00	53.00	0.00	0.00	2788.00			0.00	1872.00	1.1%	4861.00	3.65	0.38	4.04		0.0	1.1		6.0	7.3
Initial Production	6/3/19 2:00 PM	(1:30) Increase choke to 32/64" (2:30) Increase choke to 34/64"	3.90	0.68	87	5	2799	32	1.00	54.00	2068.00	92.00	2876.00	94.57%	5.43%	120.00	1877.00	1.1%	4753.00	3.81	0.41	4.23	2193.49659	0.0	1.7	0.7	67.4	7.3
Initial Production	6/3/19 3:00 PM	(3:00) Increase choke to 36/64".	4.01	0.77	104	69	2689	34	1.00	55.00	3636.00	233.00	3940.00	70.39%	29.61%	1656.00	1946.00	1.1%	4896.00	3.98	0.44	4.43	1213.669699	0.1	1.9	0.4	127.0	7.4
Initial Production	6/3/19 4:00 PM	Water Weight = 9.6 ppg Oil API = 43.31 @ 60°F	4.42	0.36	156	75	2491	36	1.00	56.00	3744.00	231.00	3196.00	67.53%	32.47%	1806.00	2021.00	1.2%	5217.00	4.16	0.46	4.62	1274.839744	0.1	2.1	0.5	120.6	7.5
Initial Production	6/3/19 5:00 PM		5.10	0.58	148	63	2481	36	1.00	57.00	3852.00	211.00	3344.00	70.14%	29.86%	1512.00	2064.00	1.2%	5428.00	4.36	0.48	4.86	1576.576577	0.1	2.2	0.5	114.6	7.5
Initial Production	6/3/19 6:00 PM		5.50	0.47	133	61	2485	36	1.00	58.00	3192.00	164.00	3477.00	68.56%	31.44%	1464.00	2145.00	1.3%	5622.00	4.61	0.50	5.11	1870.927318	0.1	2.3	0.5	103.0	7.6
Initial Production	6/3/19 7:00 PM		5.60	0.62	161	65	2485	36	1.00	59.00	3884.00	226.00	3638.00	71.24%	28.76%	1666.00	2210.00	1.3%	5848.00	4.84	0.53	5.37	1909.989648	0.1	2.4	0.4	124.6	7.7
Initial Production	6/3/19 8:00 PM	Water Weight = 9.4 ppg Oil API = 43.97 @ 60°F	5.60	0.44	169	87	2485	36	1.00	60.00	4056.00	236.00	3807.00	71.61%	28.39%	1608.00	2277.00	1.3%	6084.00	5.07	0.54	5.62	1488.16568	0.1	2.4	0.4	130.8	7.7
Initial Production	6/3/19 9:00 PM		5.53	0.44	165	51	2479	36	1.00	61.00	3960.00	216.00	3972.00	76.39%	23.61%	1224.00	2328.00	1.4%	6300.00	5.30	0.56	5.87	1506.565657	0.1	2.5	0.4	127.7	7.8
Initial Production	6/3/19 10:00 PM		5.60	0.49	161	63	2477	36	1.00	62.00	3624.00	234.00	4123.00	64.53%	35.47%	1992.00	2411.00	1.4%	6634.00	5.54	0.58	6.12	1679.855782	0.1	2.6	0.5	116.9	7.9
Initial Production	6/3/19 11:00 PM		6.84	0.65	159	61	2478	36	1.00	63.00	3816.00	220.00	4382.00	72.27%	27.73%	1464.00	2472.00	1.4%	6754.00	5.61	0.61	6.42	1910.115304	0.1	2.7	0.5	123.1	7.9
Initial Production	6/4/19 12:00 AM	Water Weight = 9.5 ppg Oil API = 43.05 @ 60°F H2S = 0 ppm	5.65	0.48	161	64	2473	36	1.00	64.00	3864.00	225.00	4443.00	71.56%	28.44%	1536.00	2536.00	1.5%	6979.00	5.05	0.53	5.68	1585.403727	0.1	2.8	0.4	124.6	8.0
Initial Production	6/4/19 1:00 AM		5.67	0.54	163	76	2473	36	1.00	65.00	3912.00	239.00	4606.00	68.20%	31.80%	1824.00	2812.00	1.5%	7218.00	8.29	0.65	6.94	1567.93456	0.1	2.9	0.4	126.2	8.1
Initial Production	6/4/19 2:00 AM		5.71	0.58	160	62	2477	36	1.00	66.00	3840.00	222.00	4766.00	72.07%	27.93%	1498.00	2974.00	1.6%	7440.00	8.52	0.68	7.20	1637.239583	0.1	3.0	0.4	123.9	8.1
Initial Production	6/4/19 3:00 AM		5.78	0.43	161	66	2744	36	1.00	67.00	3864.00	227.00	4827.00	70.93%	29.07%	1564.00	2740.00	1.6%	7967.00	6.76	0.69	7.46	1607.401656	0.1	2.8	0.4	124.6	8.2
Initial Production	6/4/19 4:00 AM	Water Weight = 9 ppg Oil API = 42.95 @ 60°F	5.15	0.57	157	53	2469	36	1.00	68.00	3768.00	210.00	5084.00	74.76%	25.24%	1272.00	2793.00	1.6%	7877.00	6.98	0.72	7.70	1518.046799	0.1	3.2	0.5	121.5	8.2
Initial Production	6/4/19 5:00 AM		5.06	0.63	165	62	2463	36	1.00	69.00	3960.00	227.00	5240.00	72.69%	27.31%	1488.00	2855.00	1.7%	8104.00	7.19	0.74	7.93	1441.919192	0.1	3.3	0.4	127.7	8.3
Initial Production	6/4/19 6:00 AM		5.00	0.80	160	61	2479	36	1.00	70.00	3840.00	221.00	5409.00	72.40%	27.60%	1464.00	2916.00	1.7%	8325.00	7.40	0.78	8.18	1509.805833	0.1	3.4	0.4	123.9	8.4
Initial Production	6/4/19 7:00 AM		4.10	0.98	158	60	2484	36	1.00	71.00	3744.00	216.00	5565.00	72.22%	27.78%	1440.00	2976.00	1.7%	8541.00	7.57	0.82	8.39	1357.905983	0.1	3.4	0.5	120.8	8.4
Initial Production	6/4/19 8:00 AM	Water Weight = 9.6 ppg Oil API = 43.13 @ 60°F	5.20	0.60	179	45	2480	36	1.00	72.00	4080.00	215.00	5735.00	79.07%	20.93%	1080.00	3021.00	1.8%	8756.00	7.79	0.84	8.63	1420.343137	0.1	3.6	0.4	131.6	8.5
Initial Production	6/4/19 9:00 AM		5.70	0.46	141	66	2501	36	1.00	73.00	3384.00	207.00	5876.00	68.12%	31.88%	1584.00	3097.00	1.8%	8963.00	8.02	0.86	8.89	1819.739953	0.1	3.8	0.5	109.2	8.5
Initial Production	6/4/19 10:00 AM		5.10	0.49	182	58	2440	36	1.00	74.00	4368.00	240.00	6058.00	75.63%	24.37%	1392.00	3145.00	1.8%	9203.00	8.24	0.88	9.12	1250.448718	0.1	3.8	0.4	140.9	8.6
Initial Production	6/4/19 11:00 AM		5.00	0.59	170	67	2449	36	1.00	75.00	4080.00	237.00	6228.00	71.73%	28.27%	1608.00	3212.00	1.9%	9440.00	8.44	0.91	9.35	1370.833333	0.1	3.9	0.4	131.6	8.7
Initial Production	6/4/19 12:00 PM	Water Weight = 9.6 ppg Oil API = 43.34 @ 60°F H2S = 0 ppm	5.10	0.56	181	53	2447	36	1.00	76.00	4344.00	234.00	6409.00	77.35%	22.65%	1272.00	3285.00	1.9%	9674.00	8.66	0.93	9.59	1302.946593	0.1	4.0	0.4	140.1	8.7
Initial Production	6/4/19 1:00 PM		5.20	0.35	153	65	2450	36	1.00	77.00	3672.00	218.00	6562.00	70.18%	29.82%	1560.00	3330.00	1.9%	9892.00	8.87	0.95	9.82	1512.527233	0.1	4.0	0.5	118.5	8.8
Initial Production	6/4/19 2:00 PM	(2:00) Increase choke to 38/64"	5.30	0.34	164	50	2435	36	1.00	78.00	3936.00	214.00	6726.00	76.64%	23.36%	1200.00	3380.00	2.0%	10106.00	9.09	0.96	10.05	1431.655504	0.1	4.2	0.4	127.0	8.6
Initial Production	6/4/19 3:00 PM		4.80	0.79	162	68	2395	36	1.00	79.00	3888.00	230.00	6888.00	70.43%	29.57%	1632.00	3446.00	2.0%	10336.00	9.29	0.99	10.29	1436.985597	0.1	4.5	0.5	125.4	8.8
Initial Production	6/4/19 4:00 PM	Water Weight = 9.6 ppg Oil API = 43.13 @ 60°F	5.40	0.45	173	58	2334	36	1.00	80.00	4152.00	231.00	7061.00	74.69%	25.31%	1392.00	3506.00	2.1%	10567.00	9.52	1.01	10.53	1409.441233	0.1	4.6	0.4	133.9	8.9
Initial Production	6/4/19 5:00 PM		5.50	4.98	167	60	2301	36	1.00	81.00	4008.00	227.00	7228.00	73.57%	26.43%	1440.00	3566.00	2.1%	10794.00	9.75	1.22	10.97	2915.768463	0.1	4.7	0.5	129.3	9.0
Initial Production	6/4/19 6:00 PM		5.62	0.72	170	60	2555	36	1.00	82.00	4080.00	230.00	7398.00	73.91%	26.09%	1440.00	3626.00	2.1%	11024.00	9.98	1.25	11.23	1553.921569	0.1	4.3	0.4	131.6	9.1
Initial Production	6/4/19 7:00 PM		5.65	0.33	175	57	2286	36	1.00	83.00	4200.00	232.00	7573.00	75.43%	24.57%	1368.00	3683.00	2.2%	11256.00	10.22	1.26	11.48	1421.809524	0.1	4.9	0.5	135.5	9.1
Initial Production	6/4/19 8:00 PM	Water Weight = 9.6 ppg Oil API = 42.71 @ 60°F	5.62	0.38	184	59	2295	36	1.00	84.00	4416.00	243.00	7757.00	75.72%	24.28%	1416.00	3742.00	2.2%	11489.00	10.45	1.28	11.73	1358.695652	0.1	5.0	0.4	142.5	9.2
Initial Production	6/4/19 9:00 PM		5.63	0.39	153	32	2333	36	1.00	85.00	3672.00	185.00	7919.00	82.70%	17.30%	768.00	3774.00	2.2%	11584.00	10.59	1.29	11.88	1639.433551	0.1	5.0	0.5	118.5	9.2
Initial Production	6/4/19 10:00 PM		5.34	0.59	143	61	2707	36	1.00	86.00	3432.00	204.00	8053.00	70.10%	29.90%	1464.00	3835.00	2.2%	11868.00	10.91	1.32	12.23	1727.855478	0.1	4.4	0.4	110.7	9.3
Initial Production	6/4/19 11:00 PM	(11:30) Decrease choke to 36/64"	5.17	0.57	181	45	2478	36	1.00	87.00	4344.00	226.00	8254.00	80.09%	19.91%	1080.00	3880.00	2.3%	12114.00	11.12	1.34	12.47	1321.362799	0.1	4.9	0.4	140.1	9.3
Initial Production	6/5/19 12:00 AM	Water Weight = 9.6 ppg Oil API = 42.66 @ 60°F H2S = 0 ppm	5.09	0.32	166	55	2533	34	1.00	88.00	3984.00	221.00	8400.00	75.11%	24.89%	1320.00	3935.00	2.3%	12335.00	11.34	1.39	12.69	1357.931727	0.1	4.9	0.4	128.5	9.4
Initial Production	6/5/19 1:00 AM	(1:30) Decrease choke to 32/64"	4.59	0.42	153	45	2558	34	1.00	89.00	3672.00	198.00	8553.00	77.27%	22.73%	1080.00	3980.00	2.3%	12533.00	11.53	1.37	12.90	1381.855773	0.1	4.9	0.4	118.5	9.4
Initial Production	6/5/19 2:00 AM		5.19	0.46	159	54	2759	32	1.00	90.00	3816.00	213.00	8712.00	74.65%	25.35%	1296.00	4034.00	2.4%	12746.00	11.74	1.39	13.14	1460.607966	0.1	4.6	0.4	123.1	9.5
Initial Production	6/5/19 3:00 AM	(3:30) Decrease choke to 30/64"	4.82	0.50	141	54	2720	32	1.00	91.00	3384.00	195.00	8853.00	72.31%	27.69%	1296.00	4086.00	2.4%	12941.00	11.94	1.41	13.36	1572.104019	0.1	4.8	0.4	109.2	9.5
Initial Production	6/5/19 4:00 AM	Water Weight = 9.6 ppg Oil API = 42.74 @ 60°F	4.95	0.47	140	49	2881	30	1.00	92.00	3360.00	189.00	8995.00	74.07%	25.93%	1176.00	4137.00	2.4%	13130.00	12.15	1.43	13.58	1613.095238	0.1	4.6	0.4	108.4	9.6
Initial Production	6/5/19 5:00 AM	(5:30) Decrease choke to 28/64"	4.07	0.47	137	44	2881	30	1.00	93.00	3288.00	181.00	9130.00	75.69%	24.31%	1056.00	4181.00	2.4%	13311.00	12.32	1.45	13.77	1380.778589	0.1	4.6	0.4	106.1	9.6
Initial Production	6/5/19 6:00 AM		3.80	0.46	129	40	2962	28	1.00	94.00	3096.00	169.00	9259.00	76.33%	23.67%	960.00	4221.00	2.5%	13480.00	12.48	1.47	13.95	1374.677003	0.1	4.5	0.4	99.9	9.7
Initial Production	6/5/19 7:00 AM		3.90	0.38	144	39	3020	28	1.00	95.00	3456.00	183.00	9403.00	78.69%	21.31%	936.00	4260.00	2.5%	13663.00	12.64	1.49	14.13	1239.293981	0.1	4.5	0.3	111.5	9.7
Initial Production	6/5/19 8:00 AM	(8:00) Decrease choke to 26/64" Water Weight = 9.7 ppg Oil API = 44.40 @ 60°F	4.30	0.00	168	34	2975	28	1.00	96.00	4032.00	202.00	9571.00	83.17%	16.83%	816.00	4264.00	2.5%	13865.00	12.82	1.49	14.31	1068.468254	0.1	4.7	0.3	130.1	9.8
Initial Production	6/5/19 9:00 AM		3.90	0.00	115	43	3168	26	1.00	97.00	2760.00	158.00	9686.00	72.78%	27.22%	1032.00	4337.00	2.5%	14023.00	12.96	1.49	14.47	1413.043478	0.0	4.4	0.4	89.0	9.8
Initial Production	6/5/19 10:00 AM	(10:00) Decrease choke to 24/64"	3.90	0.00	111	31	3176	26	1.00	98.00	2664.00	142.00	9797.00	78.17%	21.83%	744.00	4368.00	2.6%	14165.00	13.15	1.49	14.63	1463.963964	0.0	4.5	0.4	85.9	9.9
Initial Production	6/5/19 11:00 AM		3.20	0.34	105	49	3362	24	1.00	99.00	2520.00	154.00	9902.00	68.18%	31.82%	1176.00	4417.00	2.6%	14319.00	13.28	1.50	14.78	1406.349206	0.0	4.3	0.4	81.3	9.9
Initial Production	6/5/19 12:00 PM	(12:00) Decrease choke to 22/64" Water Weight = 9.7 ppg Oil API = 44.40 @ 60°F H2S = 0 ppm	3.46	0.14	109	32	3309	24	1.00	100.00	2616.00	141.00	10011.00	77.30%	22.70%	768.00	4449.00	2.6%	14460.00	13.42	1.51	14.93	1376.146789	0.0	4.4	0.3	84.4	10.0
Initial Production	6/5/19 1:00 PM		3.07	0.00	95	40	3370	22	1.00	101.00	2280.00	135.00	10106.00	70.37%	29.63%	960.00	4489.00	2.6%	14595.00	13.55	1.51	15.06	1346.491228	0.0	4.3	0.4	73.6	10.0
Initial Production	6/5/19 2:00 PM		2.90	0.00	76	18	3435	22	1.00	102.00	1824.00	94.00	10182.00	80.85%	19.15%	432.00	4507.00	2.6%	14689.00	13.67	1.51	15.18	1589.912281	0.0	4.3	0.4	58.8	10.1
Initial Production	6/5/19 3:00 PM	(3:30) H4 Offset pressure at 4,450 psi(g), began bleed off to production	2.90	0.00	96	40	3365	22	1.00	103.00	2304.00	136.00	10278.00	70.59%	29.41%	960.00	4547.00	2.7%	14825.00	13.79	1.51	15.30	1258.680556	0.0	4.4	0.4	74.3	10.1
Initial Production	6/5/19 4:00 PM	Water Weight = 9.7 ppg Oil API = @ 60°F	2.40	0.34	98	26	3365	22	1.00	104.00	2352.00	124.00	10376.00	79.03%	20.97%	624.00	4573.00	2.7%	14949.00	13.89	1.52	15.41	1164.965986	0.0	4.4	0.4	75.9	10.2
Initial Production	6/5/19 5:00 PM		2.47	0.34	99	36	3368	22	1.00	105.00	2376.00	135.00	10475.00	73.33%	26.67%	864.00	4609.00	2.7%	15084.00	14.00	1.54	15.53	1178.451178	0.0	4.5	0.3	76.6	10.2
Initial Production	6/5/19 6:00 PM		2.96	0.00	86	27	3399	22	1.00	106.00	2064.00	113.00	10581.00	76.11%	23.89%	648.00	4638.00	2.7%	15197.00	14.12	1.54	15.65	1434.108527	0.0	4.5	0.4	66.6	10.3
Initial Production	6/5/19 7:00 PM		2.86	0.00	92	29	3379	22	1.00	107.00	2208.00	121.00	10653.00	76.03%	23.97%	696.00	4665.00	2.7%	15318.00	14.24	1.54	15.77	1295.289855	0.0	4.5	0.4	71.2	10.3
Initial Production	6/5/19 8:00 PM	Water Weight = 9.6 ppg Oil API = 42.91 @ 60°F	2.57	0.30	92	28	3375	22	1.00	108.00	2208.00	120.00	10745.00	76.67%	23.33%	672.00	4693.00	2.7%	15438.00	14.34	1.55	15.89	1295.289855	0.0	4.6	0.4	71.2	10.4
Initial Production	6/5/19 9:00 PM		2.30	0.57	96	44	3378	22	1.00	109.00	2304.00	140.00	10841.00	68.57%	31.43%	1056.00	4737.00	2.8%	15578.00	14.44	1.57	16.01	1245.659722	0.0	4.6	0.4	74.3	10.4
Initial Production	6/5/19 10:00 PM		2.31	0.52	93	37	3370	22	1.00	110.00	2232.00	130.00	10934.00	71.54%	28.46%	888.00	4774.00	2.8%	15708.00	14.54	1.59	16.13	1267.921147	0.0	4.7	0.4	72.0	10.5
Initial Production	6/5/19 11:00 PM		2.84	0.00	96	31	3371	22	1.00	111.00	2304.00	127.00	11030.00	75.59%	24.41%	744.00	4805.00	2.8%	15835.00	14.66	1.59	16.25	1232.638889	0.0	4.7	0.4	74.3	10.5
Initial Production	6/6/19 12:00 AM	Water Weight = 9.6 ppg Oil API = 42.49 @ 60°F H2S = 0 ppm	2.84	0.00	91	36	3370	22	1.00	112.00	2184.00	127.00	11121.00	71.65%	28.35%	864.00	4841.00	2.8%	15962.00	14.77	1.59	16.37	1300.3663	0.0	4.7	0.4	70.6	10.6
Initial Production	6/6/19 1:00 AM		2.83	0.00	94	24	3372	22	1.00	113.00	2256.00	116.00	11215.00	79.66%	20.34%	576.00	4865.00	2.8%	16080.00	14.89	1.59	16.49	1254.432624	0.0	4.8	0.4	72.8	10.6
Initial Production	6/6/19 2:00 AM		2.58	0.28	92	25	3380	22	1.00	114.00	2208.00	117.00	11307.00	78.63%	21.37%	600.00	4890.00	2.9%	16197.00	15.00	1.60	16.60	1295.289855	0.0	4.8	0.4	71.2	10.7
Initial Production	6/6/19 3:00 AM		2.84	0.00	98	26	3373	22	1.00	115.00	2352.00	123.00	11405.00	79.67%	20.33%	600.00	4915.00	2.9%	16320.00	15.12	1.60	16.72	1267.482993	0.0	4.8	0.3	75.9	10.7
Initial Production	6/6/19 4:00 AM	Water Weight = 9.5 ppg Oil API = 43.11 @ 60°F	2.69	0.17	93	38	3382	22	1.00	116.00	2232.00	131.00	11498.00	70.99%	29.01%	912.00	4953.00	2.9%	16451.00	15.23	1.61	16.84	1276.88172	0.0	4.9	0.4	72.0	10.8
Initial Production	6/6/19 5:00 AM		2.83	0.00	91	29	3365	22	1.00	117.00	2184.00	120.00	11589.00	75.83%	24.17%	696.00	4982.00	2.9%	16571.00	15.35	1.61	16.96	1295.787546	0.0	4.9	0.4	70.5	10.8
Initial Production	6/6/19 6:00 AM		2.40	0.34	96	32	3369	22	1.00	118.00	2304.00	128.00	11685.00	75.00%	25.00%	768.00	5014.00	2.9%	16699.00	15.45	1.63	17.07	1187.065972	0.0	5.0	0.4	74.3	10.9
Initial Production	6/6/19 7:00 AM		2.40	0.36	94	35	3366	22	1.00	119.00	2256.00	129.00	11779.00	72.87%	27.13%	640.00	5049.00	3.0%	16828.00	15.55	1.64	17.19	1225.177305	0.0	5.0	0.4	72.8	10.9
Production through Facilities	6/6/19 8:00 AM	Water Weight = 9.7 ppg Oil API = 43.25 @ 60°F	2.40	0.37	112	11	3369	22	0.10	120.00	2688.00	123.00	11891.00	91.06%	8.94%	264.00	5069.00	3.0%	16951.00	15.65	1.66	17.30	1028.645833	0.0	5.0	0.3	86.7	11.0
Flowback operations complete	6/6/19 8:10 AM	(8:10) Turned over on a 17/40 22/64" choke to Production 20/64" choke at 3382 psi(g). Manifold sand sample = 0.01%							0.00	120.17	0.00	0.00	11891.00			0.00	5069.00	3.0%	16951.00	15.65	1.66	17.30		0.0	5.0		86.7	11.0

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 10/8/2019

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	BB-FEDERAL A-LS-151-95-0915H-2 API: 33053088600
Coordinates:	LATITUDE/LONGITUDE LAT: 48°9'9" LON: 102°40'41"W

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/9/19 1:30 PM	10/9/19 2:36 PM	1.87	0.0729

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/9/19 2:36 PM	10/14/19 10:00 AM	1.59	3.1133

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/9/19 2:36 PM	10/14/19 10:00 AM	4.74	19.3851

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Ray O'Brien	Title:	Site Supervisor		
Email:	ray.obrien@rpsmidinc.com	Phone:	701-340-7565	Mobile:	701-340-7565

Digital Attachment of equipment layout

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 10/8/2019

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	BB-FEDERAL A-LS-151-95-0915H-3 API: 3305309059
Coordinates:	LAT/LONG/TUDE: LAT: 48°9'7" LON: 102°47'41"W

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/18/19 12:00 PM	10/18/19 1:00 PM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/18/19 1:00 PM	10/25/19 8:00 AM	5.18	20.0004

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/18/19 1:00 PM	10/25/19 8:00 AM	1.91	1.7479

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/25/19 8:00 AM	10/25/19 8:10 AM	0.00	0.0000

Comments: Flow as directed by lease operator due to pipeline pressure.

Responsible Party (?)

Name:	Angela Sawyer	Title:	Site Supervisor		
Email:	angela.sawyer@hessmg.com	Phone:	720-534-6253	Mobile:	720-534-6253

Digital Attachment of equipment layout

Version 20180102S

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY

Company Name	Hess Corporation
Well Name	BB-FEDERAL 8-151-95-2122H-6
API Number	
Area Work Team	D
Field	BB
Formation	TF
Area (Acres)	1280
Date on Location	5/15/2019
Initial Flowback Date	5/16/19 9:00 AM
Flowback Company	TechnipFMC
Responsible Contractor	Joshua Turmon
Phone Contact	701-369-2916
Initial Shut-in Tubing Pressure (Psi)	2,732 PSI

FRAC JOB SUMMARY

Type Frac Job	Hydraulic Frac	
TOTAL Clean Fluid Pumped	120,241	BBLS
TOTAL Sand Pumped	9,334	LBS
Proposed # Stages	51	Stages
Effective # Stages	48	Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
Flowback Crew / Hess FB Supervisor
Flowback
Automatic

Event Phase	Date MM/DD/YY TIME	Remarks	Flared Gas Rate (FB) MMscfd	Sales Gas Rate MMscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psi(g)	Choke Size in (# /64)
Standard Work	5/15/19 7:00 AM	(7:30) TFMC arrives on location.						
Standard Work	5/15/19 8:00 AM	(8:00) TFMC begins staging equipment						
Standard Work	5/15/19 9:00 AM	(9:00) TFMC begins Rig In						
Standard Work	5/15/19 5:00 PM	(5:30) TFMC Night shift arrived on location						
Standard Work	5/15/19 6:00 PM	(6:00) TFMC continued to rig up equipment						
Standard Work	5/15/19 11:00 PM	(11:00) Open Well to Monitor Tubing/Casing pressure					2800	
Standard Work	5/16/19 12:00 AM						2800	
Standard Work	5/16/19 1:00 AM						2800	
Standard Work	5/16/19 2:00 AM						2800	
Standard Work	5/16/19 3:00 AM						2800	
Standard Work	5/16/19 4:00 AM						2800	
Standard Work	5/16/19 5:00 AM						2800	
Standard Work	5/16/19 6:00 AM						2800	
Standard Work	5/16/19 7:00 AM	(7:30) TFMC complete rig in.					2800	
Standard Work	5/16/19 8:00 AM	(8:00) Monitoring Tubing/Casing pressure. ARP testing arrive on location begin pressure testing.					2800	
Standard Work	5/16/19 9:00 AM	(09:00) Monitoring Tubing/Casing pressure					2800	
Standard Work	5/16/19 10:00 AM	(10:00) Monitoring Tubing/Casing pressure. Pressure test complete.					2800	
Initial Flowback	5/16/19 10:30 AM	(10:30) Open well to flow on 24/64" Choke to the open top through the bypass. With an IOP of 2,732 psi(g)					2732	24
Initial Flowback	5/16/19 11:00 AM	(11:30) Gas to surface. Direct flow to HS-0088				20	1850	24
Initial Flowback	5/16/19 12:00 PM	Water Weight = 9.4 ppg Oil API = N/A H2S = 0 ppm	1.20	0.00	0	145	1831	24
Initial Production	5/16/19 12:15 PM	(12:15) Oil to production on a 24/64" choke with a WHP of 1,824 psi(g).	0.00	0.00	0		1824	24
Initial Production	5/16/19 1:00 PM		1.50	1.20	15	63	1914	24
Initial Production	5/16/19 2:00 PM	(2:00) Increase choke to 28/64"	1.90	0.00	59	40	2081	24
Initial Production	5/16/19 3:00 PM		1.80	0.00	72	49	1925	28
Initial Production	5/16/19 4:00 PM	(4:00) Increase choke to 32/64" Water Weight = 9.4 ppg Oil API = 41.68 @ 60°F	1.70	0.00	66	36	1793	28
Initial Production	5/16/19 5:00 PM		1.50	0.00	78	28	1527	32
Initial Production	5/16/19 6:00 PM	(6:00) Increased choke to 36/64"	2.00	0.00	81	35	1424	32
Initial Production	5/16/19 7:00 PM		2.10	0.00	91	40	1261	36
Initial Production	5/16/19 8:00 PM	Water Weight = 9.5 ppg Oil API =40.92@ 60°F H2S = 0 ppm	1.80	0.00	73	27	1251	36
Initial Production	5/16/19 9:00 PM		1.90	0.00	78	34	1135	36
Initial Production	5/16/19 10:00 PM		1.90	0.00	72	42	1049	36
Initial Production	5/16/19 11:00 PM	(11:30) tubing press = 982 psi Increased choke to 38/64"	1.70	0.00	69	31	1035	36
Initial Production	5/17/19 12:00 AM	Water Weight = 9.5 ppg Oil API =41.24@ 60°F H2S = 0 ppm	1.90	0.00	77	37	875	38
Initial Production	5/17/19 1:00 AM		1.80	0.00	68	31	874	38
Initial Production	5/17/19 2:00 AM		1.70	0.00	69	32	837	
Initial Production	5/17/19 3:00 AM		1.70	0.00	67	30	822	38
Initial Production	5/17/19 4:00 AM	Water Weight = 9.5 ppg Oil API =40.84@ 60°F H2S = 0 ppm	1.70	0.00	62	32	760	38
Initial Production	5/17/19 5:00 AM	(4:00) decreased choke to 36/64"	1.60	0.00	61	44	781	36
Initial Production	5/17/19 6:00 AM		1.60	0.00	62	27	761	36
Initial Production	5/17/19 7:00 AM		1.60	0.00	55	27	747	36
Initial Production	5/17/19 8:00 AM	Water weight = 9.5 ppg Oil API = 44.53 @ 60°F	1.50	0.00	54	28	736	36
Initial Production	5/17/19 9:00 AM		1.50	0.00	53	29	716	36
Initial Production	5/17/19 10:00 AM		1.40	0.00	50	16	697	36
Initial Production	5/17/19 11:00 AM		1.60	0.00	54	27	686	36
Initial Production	5/17/19 12:00 PM	Water weight = 9.5 ppg Oil API = 43.14 @ 60°F H2S = 0 ppm	1.40	0.00	46	24	679	36
Initial Production	5/17/19 1:00 PM		1.50	0.00	47	29	657	36
Initial Production	5/17/19 2:00 PM		1.60	0.00	48	22	656	36
Initial Production	5/17/19 3:00 PM		1.30	0.00	42	29	662	36
Initial Production	5/17/19 4:00 PM	Water weight = 9.5 ppg Oil API = 44.53 @ 60°F	1.30	0.00	42	15	650	36
Initial Production	5/17/19 5:00 PM		1.30	0.00	42	28	645	36
Initial Production	5/17/19 6:00 PM		1.30	0.00	44	16	621	36
Initial Production	5/17/19 7:00 PM		1.30	0.00	45	20	611	36
Initial Production	5/17/19 8:00 PM	Water weight = 9.5 ppg Oil API = 44.08 @ 60°F H2S = 0 ppm	1.30	0.00	44	25	600	36
Initial Production	5/17/19 9:00 PM		1.30	0.00	42	15	597	36
Initial Production	5/17/19 10:00 PM		1.30	0.00	45	28	587	36
Initial Production	5/17/19 11:00 PM		1.20	0.00	41	15	578	36
Initial Production	5/18/19 12:00 AM	Water weight = 9.6 ppg Oil API = 45.0 @ 60°F H2S = 0 ppm	1.20	0.00	42	13	571	36
Initial Production	5/18/19 1:00 AM		1.20	0.00	39	22	562	36
Initial Production	5/18/19 2:00 AM		1.20	0.00	42	13	550	36
Initial Production	5/18/19 3:00 AM		1.20	0.00	40	14	551	36
Initial Production	5/18/19 4:00 AM	Water weight = 9.6 ppg Oil API = 44.67 @ 60°F H2S = 0 ppm	1.30	0.00	39	22	542	36
Initial Production	5/18/19 5:00 AM		1.10	0.00	40	18	537	36
Initial Production	5/18/19 6:00 AM		1.20	0.00	42	16	534	36
Initial Production	5/18/19 7:00 AM		1.20	0.00	34	18	525	36
Initial Production	5/18/19 8:00 AM	Water Weight = 9.6 ppg Oil API = 45.11 @ 60°F	1.20	0.00	36	20	522	36
Initial Production	5/18/19 9:00 AM		1.10	0.00	37	22	210	36
Initial Production	5/18/19 10:00 AM		1.10	0.00	37	15	506	36
Initial Production	5/18/19 11:00 AM		1.10	0.00	37	18	499	36
Initial Production	5/18/19 12:00 PM	Water Weight = 9.6 ppg Oil API = 45.27 @ 60°F H2S = 0 ppm	1.10	0.00	35	15	493	36

Initial Production	5/18/19 1:00 PM	(1:20)WHP increased to 580 psi(g). (1:30) WHP increased to 1,550 psi(g).	1.10	0.00	36	22	491	36
Initial Production	5/18/19 2:00 PM		2.90	0.00	46	20	1560	36
Initial Production	5/18/19 3:00 PM	(3:30) Decrease choke to 34/64" to conserve tank space due to road closure.	1.80	0.00	81	84	1431	36
Initial Production	5/18/19 4:00 PM	(4:45) Decrease choke to 32/64" Water Weight = 9.6 ppg Oil API = 45.33 @ 60°F	2.30	0.00	68	74	1475	34
Initial Production	5/18/19 5:00 PM	(5:00) Decrease choke to 30/64"	2.50	0.00	82	59	1391	34
Initial Production	5/18/19 6:00 PM	Increased static pressure to push solids down blowdown line	1.50	0.00	54	59	1400	30
Initial Production	5/18/19 7:00 PM	(7:30) Decrease choke to 28/64"	1.70	0.00	62	48	1372	30
Initial Production	5/18/19 8:00 PM	Water weight = 9.6 ppg Oil API = 45.23 @ 60°F H2S = 0 ppm	1.30	0.00	62	30	1331	28
Initial Production	5/18/19 9:00 PM		1.30	0.00	56	33	1334	28
Initial Production	5/18/19 10:00 PM		1.20	0.00	52	33	1346	28
Initial Production	5/18/19 11:00 PM		1.30	0.00	53	34	1340	28
Initial Production	5/19/19 12:00 AM	Water weight = 9.6 ppg Oil API = 44.96 @ 60°F H2S = 0 ppm	1.30	0.00	55	35	1277	28
Initial Production	5/19/19 1:00 AM		1.30	0.00	50	35	1271	28
Initial Production	5/19/19 2:00 AM		1.40	0.00	54	26	1261	28
Well Shut in	5/19/19 2:35 AM	(2:35) SIWP: 1,326 psi(g)					1326	28
NPT	5/19/19 2:39 AM	Shut in due to lack of tank storage and road restrictions.						
NPT	5/19/19 3:00 AM	(3:00) Monitor Well/Casing Pressures			48	22	1601	
NPT	5/19/19 4:00 AM						1608	
NPT	5/19/19 5:00 AM						1679	
NPT	5/19/19 6:00 AM						1697	
NPT	5/19/19 7:00 AM						1740	
NPT	5/19/19 8:00 AM						1754	
NPT	5/19/19 9:00 AM						1765	
NPT	5/19/19 10:00 AM						1778	
NPT	5/19/19 11:00 AM						1797	
NPT	5/19/19 12:00 PM						1817	
NPT	5/19/19 1:00 PM						1821	
NPT	5/19/19 2:00 PM						1839	
NPT	5/19/19 3:00 PM						1847	
NPT	5/19/19 4:00 PM						1856	
NPT	5/19/19 5:00 PM						1864	
NPT	5/19/19 6:00 PM						1873	
NPT	5/19/19 7:00 PM						1882	
NPT	5/19/19 8:00 PM						1887	
NPT	5/19/19 9:00 PM						1891	
NPT	5/19/19 10:00 PM						1902	
NPT	5/19/19 11:00 PM						1908	
NPT	5/20/19 12:00 AM						1914	
NPT	5/20/19 1:00 AM						1917	
NPT	5/20/19 2:00 AM						1921	
NPT	5/20/19 3:00 AM						1928	
NPT	5/20/19 4:00 AM						1933	
NPT	5/20/19 5:00 AM						1937	
NPT	5/20/19 6:00 AM						1937	
NPT	5/20/19 7:00 AM						1944	
NPT	5/20/19 8:00 AM						1949	
NPT	5/20/19 9:00 AM						1953	
NPT	5/20/19 10:00 AM						1956	
NPT	5/20/19 11:00 AM						1961	
Initial Flowback	5/20/19 11:15 AM	(11:15) Open well to flow on a 32/64" to HS088 with an IOP of 1,961 psi(g)					1961	32
Initial Production	5/20/19 11:35 AM	(11:35) Oil to Production on a 32/64" choke with a WHP of 1,263 psi(g)					1263	32
Initial Production	5/20/19 12:00 PM	(12:15) Increase choke to 34/64" Water Weight = 9.7 ppg Oil API = 43.05 @ 60°F H2S = 0 ppm	1.60	1.00	59	0	1160	32
Initial Production	5/20/19 1:00 PM	(1:15) Increase choke to 36/64"	2.70	0.00	29	27	1341	34
Initial Production	5/20/19 2:00 PM		2.90	0.00	74	71	1297	36
Initial Production	5/20/19 3:00 PM		2.90	0.00	101	52	1275	36
Initial Production	5/20/19 4:00 PM	Water Weight = 9.7 ppg Oil API = 44.19 @ 60°F	2.80	0.00	83	25	1229	36
Initial Production	5/20/19 5:00 PM		2.70	0.00	89	48	1190	36
Initial Production	5/20/19 6:00 PM	(6:35) increase choke to 38/64"	2.60	0.00	84	34	1156	36
Initial Production	5/20/19 7:00 PM		2.80	0.00	87	30	1101	38
Initial Production	5/20/19 8:00 PM	Water weight = 9.7 ppg Oil API = 45.05 @ 60°F H2S = 0 ppm	2.70	0.00	89	52	1072	38
Initial Production	5/20/19 9:00 PM		2.30	0.00	76	23	1095	38
Initial Production	5/20/19 10:00 PM		2.50	0.00	79	42	1026	38
Initial Production	5/20/19 11:00 PM		2.50	0.00	79	37	1013	38
Initial Production	5/21/19 12:00 AM	Water weight = 9.7 ppg Oil API = 44.68 @ 60°F H2S = 0 ppm	2.50	0.00	79	43	994	38
Initial Production	5/21/19 1:00 AM		2.50	0.00	76	31	983	38
Initial Production	5/21/19 2:00 AM		2.50	0.00	76	40	955	38
Initial Production	5/21/19 3:00 AM		2.50	0.00	74	36	953	38
Initial Production	5/21/19 4:00 AM	Water weight = 9.7 ppg Oil API = 45.15 @ 60°F H2S = 0 ppm	2.70	0.00	70	31	939	36
Initial Production	5/21/19 5:00 AM		2.70	0.00	71	34	926	38
Initial Production	5/21/19 6:00 AM	(6:05) Decrease choke to 36/64" to maintain 1,000 psi(g)	2.50	0.00	72	42	908	36
Initial Production	5/21/19 7:00 AM		2.30	0.00	62	23	934	36
Initial Production	5/21/19 8:00 AM	Water Weight = 9.7 ppg Oil API = 43.87 @ 60°F	2.20	0.00	73	28	910	36
Initial Production	5/21/19 9:00 AM		2.10	0.00	51	27	903	36
Initial Production	5/21/19 10:00 AM		2.20	0.00	63	27	903	36
Initial Production	5/21/19 11:00 AM		2.20	0.00	63	37	881	36
Initial Production	5/21/19 12:00 PM	Water Weight = 9.7 ppg Oil Api = 43.75 @ 60°F H2S = 0 ppm	2.10	0.00	62	28	886	36
Initial Production	5/21/19 1:00 PM		2.10	0.00	60	31	884	36
Initial Production	5/21/19 2:00 PM		2.10	0.00	59	36	870	36
Initial Production	5/21/19 3:00 PM	(3:05) Decrease choke to 34/64" to target Production rate of 30/64"	2.00	0.00	60	21	860	36
Initial Production	5/21/19 4:00 PM	Water Weight = 9.7 ppg Oil API = 43.35 @ 60°F	1.90	0.00	75	35	875	34
Initial Production	5/21/19 5:00 PM	(5:00) Pressure spike back up to 1,451 psi(g). Continue flowing on a 34/64" until further notice.	3.10	0.00	54	39	1451	34
Initial Production	5/21/19 6:00 PM		2.00	0.00	73	64	1283	34
Initial Production	5/21/19 7:00 PM		2.30	0.00	66	73	1365	34
Initial Production	5/21/19 8:00 PM	Water Weight = 9.7 ppg Oil API = 44.10 @ 60°F	2.40	0.00	63	63	1325	34
Initial Production	5/21/19 9:00 PM		2.50	0.00	74	51	1250	34
Initial Production	5/21/19 10:00 PM	Pressure surged to 1560 psi(g). Along with a large sand kick	2.50	0.00	80	52	1560	34
Initial Production	5/21/19 11:00 PM		2.40	0.00	82	49	1429	34
Initial Production	5/22/19 12:00 AM	Water Weight = 9.7 ppg Oil API = 43.87 @ 60°F H2S = 0 ppm	2.80	0.00	81	47	1471	34
Initial Production	5/22/19 1:00 AM		2.80	0.00	82	58	1488	34
Initial Production	5/22/19 2:00 AM		2.90	0.00	84	40	1502	34
Initial Production	5/22/19 3:00 AM		3.00	0.00	86	48	1508	34

Initial Production	5/22/19 4:00 AM	Water Weight = 9.7 ppg Oil API = 44.55 @ 60°F	3.00	0.00	91	44	1509	34
Initial Production	5/22/19 5:00 AM		3.00	0.00	93	39	1500	34
Initial Production	5/22/19 6:00 AM		3.10	0.00	87	37	1499	34
Initial Production	5/22/19 7:00 AM	(7:00) Increase choke to 36/64"	3.00	0.00	92	51	1486	34
Initial Production	5/22/19 8:00 AM	(8:00) Increase choke4 to 38/64" Water Weight = 9.7 ppg Oil API = 44.35 @ 60°F	3.20	0.00	96	47	1447	38
Initial Production	5/22/19 9:00 AM		3.60	0.00	103	49	1416	38
Initial Production	5/22/19 10:00 AM	(10:00) Increase choke to 40/64"	3.60	0.00	106	54	1413	38
Initial Production	5/22/19 11:00 AM		3.70	0.00	109	42	1382	40
Initial Production	5/22/19 12:00 PM	Water Weight = 9.7 ppg Oil API = 43.46 @ 60°F H2S = 0 ppm	3.70	0.00	101	73	1372	40
Initial Production	5/22/19 1:00 PM		3.60	0.00	109	70	1367	40
Initial Production	5/22/19 2:00 PM		3.50	0.00	107	76	1349	40
Initial Production	5/22/19 3:00 PM		3.60	0.00	107	63	1341	40
Initial Production	5/22/19 4:00 PM	Water Weight = 9.7 ppg Oil API = 43.67 @ 60°F	3.60	0.00	104	55	1339	40
Initial Production	5/22/19 5:00 PM		3.50	0.00	103	44	1326	40
Initial Production	5/22/19 6:00 PM		3.60	0.00	88	43	1330	40
Initial Production	5/22/19 7:00 PM		3.40	0.00	106	51	1305	40
Initial Production	5/22/19 8:00 PM	(8:10) Increased choke to a 42/64" Water Weight = 9.6 ppg Oil API = 43.56 @ 60°F	3.40	0.00	100	47	1300	40
Initial Production	5/22/19 9:00 PM		3.60	0.00	106	54	1272	42
Initial Production	5/22/19 10:00 PM		3.60	0.00	109	51	1269	42
Initial Production	5/22/19 11:00 PM		3.60	0.00	102	57	1265	42
Initial Production	5/23/19 12:00 AM	Water Weight = 9.8 ppg Oil API = 44.10 @ 60°F H2S = 0 ppm	3.10	0.00	102	52	1299	42
Initial Production	5/23/19 1:00 AM		3.70	0.00	96	41	1246	42
Initial Production	5/23/19 2:00 AM		3.00	0.00	100	49	1269	42
Initial Production	5/23/19 3:00 AM		3.50	0.00	96	47	1228	42
Initial Production	5/23/19 4:00 AM	Water Weight = 9.6 ppg Oil API = 43.68 @ 60°F	3.50	0.00	91	57	1229	42
Initial Production	5/23/19 5:00 AM		3.30	0.00	100	51	1226	42
Initial Production	5/23/19 6:00 AM		3.50	0.00	100	48	1206	42
Initial Production	5/23/19 7:00 AM		3.50	0.00	101	44	1206	42
Initial Production	5/23/19 8:00 AM	Water Weight = 9.7 ppg Oil API = 43.09 @ 60°F	3.80	0.00	85	48	1205	42
Initial Production	5/23/19 9:00 AM		3.80	0.00	100	57	1171	42
Initial Production	5/23/19 10:00 AM		3.80	0.00	101	36	1180	42
Initial Production	5/23/19 11:00 AM		3.10	0.00	71	39	1231	42
Initial Production	5/23/19 12:00 PM	(12:00) Decrease choke to 40/64" Water Weight = 9.7 ppg Oil API = 43.53 @ 60°F H2S = 0 ppm	3.60	0.00	94	61	1196	42
Initial Production	5/23/19 1:00 PM		3.50	0.00	87	54	1194	40
Initial Production	5/23/19 2:00 PM	(2:00) Decrease choke to 38/64"	3.40	0.00	88	72	1163	40
Initial Production	5/23/19 3:00 PM		3.50	0.00	90	36	1177	38
Initial Production	5/23/19 4:00 PM	(4:00) Decrease choke to 36/64" Water Weight = 9.7 ppg Oil API = 43.24 @ 60°F	3.40	0.00	55	41	1232	38
Initial Production	5/23/19 5:00 PM		3.40	0.00	63	38	1248	36
Initial Production	5/23/19 6:00 PM	(6:00) Decreased choke to 34/64"	2.90	0.00	65	38	1194	36
Initial Production	5/23/19 7:00 PM		2.50	0.00	66	24	1196	34
Initial Production	5/23/19 8:00 PM	(8:00) Decreased choke to 32/64" Water Weight = 9.7 ppg Oil API = 43.67 @ 60°F	2.40	0.00	68	35	1214	34
Initial Production	5/23/19 9:00 PM		2.40	0.00	57	35	1222	32
Well Shut in	5/23/19 9:09 PM	SIWP: 1230 psig					1205	
NPT	5/23/19 9:54 PM	(9:09) Well shut in due to high high level switch on 3 phase vessel at production						
Initial Production	5/23/19 9:57 PM	(9:57) Open well to flow on a 32/64" choke with an WHP of 1287 psi(g)					1287	32
Initial Production	5/23/19 10:00 PM		2.40	0.00	21	0	1215	32
Initial Production	5/23/19 11:00 PM		2.00	0.00	9	28	1243	32
Initial Production	5/24/19 12:00 AM	Water Weight = 9.7 ppg Oil API = 43.22@ 60°F H2S = 0 ppm	2.30	0.00	57	57	1217	32
Initial Production	5/24/19 1:00 AM		2.20	0.00	65	28	1218	32
Well Shut in	5/24/19 1:30 AM	SIWP: 1353 psig			57	28	1353	
NPT	5/24/19 1:31 AM	(1:30) Well shut in due to high high level switch on 3 phase vessel at production					1418	
NPT	5/24/19 2:00 AM						1353	
NPT	5/24/19 3:00 AM						1418	
NPT	5/24/19 4:00 AM						1421	
NPT	5/24/19 5:00 AM						1451	
NPT	5/24/19 6:00 AM						1484	
NPT	5/24/19 7:00 AM						1477	
NPT	5/24/19 8:00 AM						1483	
Initial Production	5/24/19 8:15 AM	(8:15) Open Well to flow on a 32/64" choke with a WHP of 1483 psi(g)					1483	32
Initial Production	5/24/19 9:00 AM		2.22	0.90	24	0	1125	32
Initial Production	5/24/19 10:00 AM		1.90	0.00	73	35	1226	32
Initial Production	5/24/19 11:00 AM		2.40	0.00	7	47	1297	32
Initial Production	5/24/19 12:00 PM	Water Weight = 9.7 ppg Oil API = 43.85 @ 60°F H2S = 0 ppm	2.30	0.00	73	38	1279	32
Initial Production	5/24/19 1:00 PM		2.30	0.00	71	39	1278	32
Initial Production	5/24/19 2:00 PM		2.40	0.00	72	34	1276	32
Initial Production	5/24/19 3:00 PM		2.30	0.00	71	35	1268	32
Initial Production	5/24/19 4:00 PM	Water Weight = 9.7 ppg Oil API = 43.89 @ 60°F	2.30	0.00	72	37	1230	32
Initial Production	5/24/19 5:00 PM		2.30	0.00	69	35	1264	32
Initial Production	5/24/19 6:00 PM		2.20	0.00	73	33	1251	32
Initial Production	5/24/19 7:00 PM		2.30	0.00	67	39	1250	32
Initial Production	5/24/19 8:00 PM	Water Weight = 9.7 ppg Oil API = 43.25 @ 60°F	2.20	0.00	70	36	1247	32
Initial Production	5/24/19 9:00 PM		2.30	0.00	69	32	1245	32
Initial Production	5/24/19 10:00 PM		2.30	0.00	69	39	1243	32
Initial Production	5/24/19 11:00 PM		2.30	0.00	68	35	1244	32
Initial Production	5/25/19 12:00 AM	Water Weight = 9.7 ppg Oil API = 43.76 @ 60°F H2S = 0 ppm	2.30	0.00	69	37	1235	32
Initial Production	5/25/19 1:00 AM		2.30	0.00	69	33	1231	32
Initial Production	5/25/19 2:00 AM		2.20	0.00	70	31	1229	32
Initial Production	5/25/19 3:00 AM		2.30	0.00	69	34	1219	32
Initial Production	5/25/19 4:00 AM	Water Weight = 9.7 ppg Oil API = 44.11 @ 60°F	2.30	0.00	69	32	1218	32
Initial Production	5/25/19 5:00 AM		2.20	0.00	66	37	1221	32
Initial Production	5/25/19 6:00 AM		2.26	0.00	68	39	1213	32
Initial Production	5/25/19 7:00 AM		2.20	0.00	68	28	1192	32
Flowback operations complete	5/25/19 8:00 AM	(8:00) Turned over on a TFMC 32/64" choke to Production 30/64" choke at 1211 psi(g). Manifold sand sample = 0.01% Water Weight = 9.7 ppg Oil API = @ 60°F	2.20	0.00	70	32	1211	32

HESS

40 CFR 60 SUBPART OOOO | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/29/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	BB-BURK-151-95-1807H-6		API 3305308165
Coordinates:	LATITUDE/LONGITUDE	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/8/18 11:00 AM	9/8/18 11:15 AM	0.00	0.0000
Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/8/18 11:15 AM	9/11/18 8:05 AM	2.72	7.5857
Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/8/18 11:15 AM	9/11/18 8:05 AM	0.37	0.3954
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments: Flare as directed by Lease Operator. High pipeline pressure.6-18-18 7:00-10:00 PM: Pipeline compressor down.

Responsible Party (?)					
Name:	Joshua Turmon	**Title:**	Site Supervisor		
Email:	joshua.turmon@technipfmc.com	**Phone:**	701-389-9367	**Mobile:**	701-389-9367

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

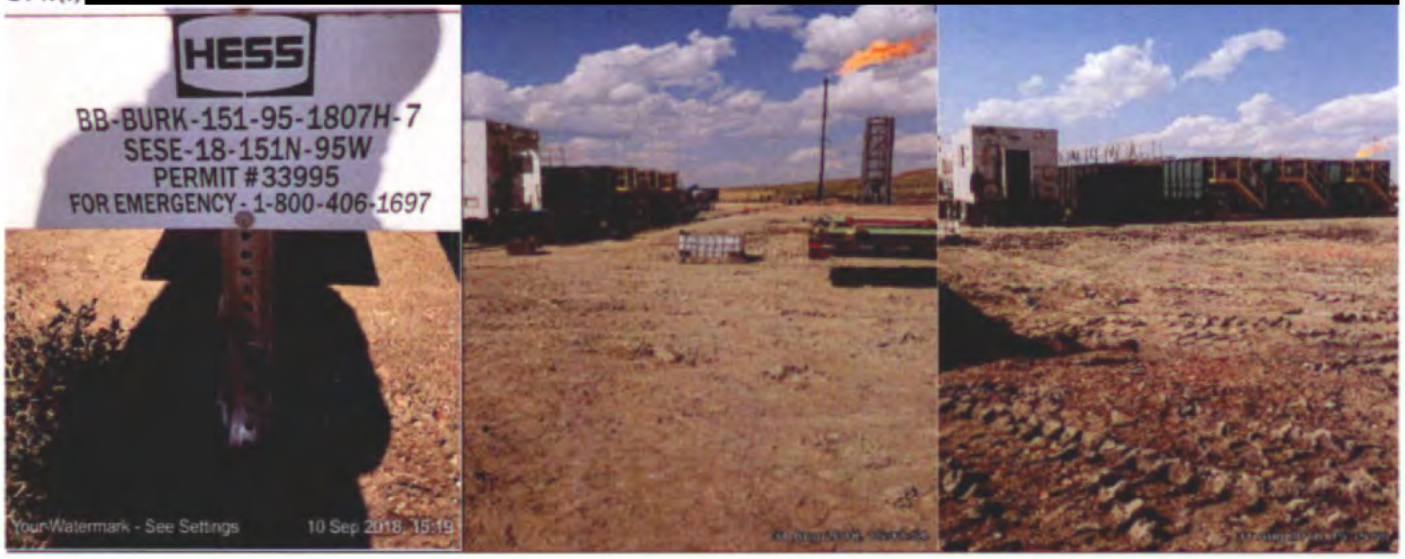
REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/29/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	BB-BURK-151-95-0718H-7	API 3305308184	
Coordinates:	LATITUDE:/LONGITUDE: (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/8/18 11:00 AM	9/8/18 11:15 AM	0.00	0.0000
Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/8/18 11:15 AM	9/11/18 8:05 AM	2.72	7.5652
Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/8/18 11:15 AM	9/11/18 8:05 AM	0.37	0.3954
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments:	Flare as directed by Lease Operator. High pipeline pressure.8-18-18 7:00-10:00 PM. Pipeline compressor down.		
Responsible Party (?)			
Name:	Joshua Turmon	**Title:**	Site Supervisor
Email:	joshua.turmon@technipfmc.com	**Phone:**	701-389-9367 **Mobile:** 701-389-9367

(b) (9)

7°N (T)



HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/29/2018

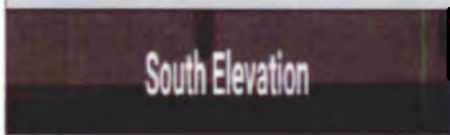
General Information			
Company Name	Hess Bakken LLC, II		
Lease/Wells	BB-BURK-151-95-0718H-8		API 3305308163
Coordinates	LATITUDE / LONGITUDE	(b) (9) [redacted]	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/5/18 1:30 PM	9/5/18 3:00 PM	0.73	0.0303
Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/5/18 3:00 PM	9/8/18 8:10 AM	2.22	5.9892
Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/5/18 3:00 PM	9/8/18 8:10 AM	0.53	0.1115
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments: Flare as directed by Lease Operator. High pipeline pressure 8-18-18 7:00-10:00 PM. Pipeline compressor down.

Responsible Party (?)					
Name	Joshua Turmon	Title	Site Supervisor		
Email	[illegible]	Phone	701-389-9567	Mobile	701-389-9567

Digital Attachment of equipment layout



(b) (9) [redacted]

(b) (9) [redacted]

HESS

40 CFR 60 SUBPART OOOOa| ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/29/2018

General Information			
Company Name:	Hess Bakken LLC II		
Lease/Well:	BB-BURK-151-95-0718H-9		API 3305308162
Coordinates:	LATITUDE/LONGITUDE:	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/2/18 1:00 PM	9/2/18 2:00 PM	0.00	0.0000

Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/2/18 2:00 PM	9/5/18 8:01 AM	2.99	7.9107

Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/2/18 2:00 PM	9/5/18 8:01 AM	2.38	0.0002

Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments: Flare as directed by Lease Operator. High pipeline pressure 6-18-18 7:00-10:00 PM. Pipeline compressor down.

Responsible Party (?)					
Name:	Joshua Turmon	Title:	Site Supervisor		
Email:	joshua.turmon@techniqfmc.com	Phone:	701-389-9367	Mobile:	701-389-9367

Digital Attachment of Equipment Layout

South Elevation

(b) (9)

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/29/2018

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	BB-BURK-151-95-0718H-1
Coordinates:	LATITUDE/LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/30/18 12:15 PM	8/30/18 1:30 PM	1.36	0.0566

Initial Production - Flare/Separator

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/30/18 1:30 PM	9/1/18 7:00 PM	2.77	6.1273

Initial Production - Flare Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/30/18 1:30 PM	9/1/18 7:00 PM	0.00	0.0000

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/1/18 7:00 PM	9/2/18 8:05 AM	0.00	0.0000

Comments: Flare as directed by Lease Operator. High pipeline pressure 8-18-18 7:00-10:00 PM. Pipeline compression down.

Responsible Party (?)

Name:	Joshua Turnison	Title:	Site Supervisor		
Email:	joshua.turnison@technipfmc.com	Phone:	701-389-9367	Mobile:	701-389-9367

Digital Attachment of equipment layout

South Elevation

(b) (9)

South Elevation

(b) (9)

East Elevation

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 11/24/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	BB-CHAPIN-151-95-0506H-5	API#	33053080750
Coordinates:	LATITUDE/LONGITUDE (b) (9)		

Initial Flowback			
Start Date & Time	End Date & Time	Rate: Mbbl/d	Amount: MMscf
11/25/18 9:30 AM	11/25/18 12:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: Mbbl/d	Amount: MMscf
11/25/18 12:00 PM	11/29/18 5:00 PM	3.75	15.3094
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: Mbbl/d	Amount: MMscf
11/25/18 12:00 PM	11/29/18 5:00 PM	2.52	0.1050
Production through Facilities			
Start Date & Time	End Date & Time	Rate: Mbbl/d	Amount: MMscf
11/29/18 5:00 PM	TBD	0.00	0.0000
Comments:			

Responsible Party (1)					
Name:	Reid Collie	Title:	Site Supervisor		
Email:	jonathan.collie@TechnipFMC.co	Phone:	701-309-2742	Mobile:	701-309-2742

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 11/30/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	BB-CHAPIN-151-95-0506H-6	API#	33053080
Coordinates:	LATITUDE/LONGITUDE: (b) (9)		

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
11/30/18 1:30 PM	11/30/18 3:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
11/30/18 3:00 PM	12/4/18 9:00 AM	1.89	11.3469
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
11/30/18 3:00 PM	12/4/18 9:00 AM	0.00	0.0000
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/4/18 9:00 AM	TBD	0.00	0.0000

Comments:

Responsible Party (?)					
Name:	Reid Collie	Title:	Site Supervisor		
Email:	jonathan.collie@technipfmc.com	Phone:	701-509-2742	Mobile:	701-509-2742

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 12/4/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	BB-CHAPIN-151-95-0506H-7	API#	33053080[illegible]
Coordinates:	LATITUDE/LONGITUDE: LA	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/4/18 2:15 PM	12/4/18 3:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/4/18 3:00 PM	12/7/18 8:20 AM	3.44	8.2568
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/4/18 3:00 PM	12/7/18 8:20 AM	0.00	0.0000
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (1)					
Name:	Reid Collie	Title:	Site Supervisor		
Email:	jonathan_collie@technipfmc.com	Phone:	701-309-2742	Mobile:	701-309-2742

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 12/7/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	BB-CHAPIN-151-95-0506H-8	API: 33053082	
Coordinates:	LATITUDE/LONGITUDE LA (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/7/18 3:20 PM	12/7/18 5:00 PM	2.34	0.0975
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/7/18 5:00 PM	12/12/18 7:20 AM	3.82	16.7693
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/7/18 5:00 PM	12/12/18 7:20 AM	0.00	0.0000
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments:			
Responsible Party (ies)			
Name:	Reid Collie	Title:	Site Supervisor
Email:	jonathan.collie@technipfmc.co	Phone:	701-509-2742 Mobile: 701-509-2742

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOO | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to: 8/2/19

Date: 12/11/2018

General Information

Company Name:	Hess Bakken LLC, II
Lease/Wells	BB-CHAPIN-151-95-0506H-9 API: 33053082
Coordinates:	LATITUDE/LONGITUDE LA (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/12/18 4:55 PM	12/12/18 6:00 PM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/12/18 6:00 PM	12/16/18 9:00 AM	2.43	7.2289

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/12/18 6:00 PM	12/16/18 9:00 AM	0.00	0.0000

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (3)

Name:	Reid Collie	Title:	Site Supervisor		
Email:	jonathan.collie@technipfmc.com	Phone:	701-509-2742	Mobile:	701-509-2742

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 08/02/2019

Date: 12/16/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	BB-CHAPIN-151-95-0506H-10		API: 3305308264
Coordinates:	LATITUDE:/LONGITUDE: LAT (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/16/18 1:15 PM	12/16/18 3:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/16/18 3:00 PM	12/20/18 12:00 AM	3.07	9.3708
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/16/18 3:00 PM	12/20/18 12:00 AM	0.00	0.0000
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/18/18 11:00 AM	12/20/18 10:00 AM	0.00	0.0000
Comments:			

Responsible Party (1)					
Name:	Reid Collie	Title:	Site Supervisor		
Email:	jonathan.collie@technipfmc.com	Phone:	701-509-2742	Mobile:	701-509-2742

Digital Attachment of equipment layout

(b) (9)

Version.20190404

Clear data to create Flowback data for new well

Show/Hide auto-populated data

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
Flowback Crew / Hess FB Supervisor
Flowback
Automatic

WELL DATA SUMMARY

Company Name	Hess Corporation	
Well Name	BB-EIDE-151-95-3328H-8	
API Number		
Area Work Team	D	
Field	BB	
Formation	MB	
Area (Acres)	1280	
Date on Location	6/27/2019	
Initial Flowback Date	6/28/19 12:30 PM	
Flowback Company	TechnipFMC	
Responsible Contractor	Travis Atkinson	
Phone Contact	307-899-7221	
Initial Shut-in Tubing Pressure (Psi)	4,095	PSI

FRAC JOB SUMMARY

Type Frac Job	Hydraulic Frac	
TOTAL Clean Fluid Pumped	169,393	BBLS
TOTAL Sand Pumped	9,970,811	LBS
Proposed # Stages	31	Stages
Effective # Stages	31	Stages

Event Phase	Date MM/DD/YY TIME	Remarks	Flared Gas Rate (FB) MMscfd	Sales Gas Rate MMscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psi(g)	Choke Size in (# /64)
Standard Work	6/27/19 9:00 AM	TFMC On location. Hold location safety meeting and simops meeting with rig crew begin spotting equiment and Rigging up						
Standard Work	6/27/19 5:30 PM	TFMC Conduct shift change safety meeting and Simops meeting. Night shift continues rig in.						
Standard Work	6/28/19 3:45 AM	Night shift stopped work due to proximity of lightnig storm						
Standard Work	6/28/19 5:30 AM	Lightining storm passed. Hold shift change safety meeting and Simops meeting. Day shift Resumes rig up.						
Standard Work	6/28/19 10:29 AM	TFMC Rig up complete awating line fillign and pressure test						
NPT	6/28/19 10:30 AM	TFMC Waiting on WTI to fill Lines and ARP to pressure test. NPT on TFMC due to failure to schedule services in advance						
Initial Flowback	6/28/19 12:30 PM	Open well to flow on a 24/64" choke with 4095 psi(g) on the tubing. Begin to follow flowback procedure for BB field					4095	
Initial Production	6/28/19 1:00 PM	Oil to sales at 12:35 pm. TFMC begins bleedign off casing pressures	0.25	0.00	36	0	2838	24
Initial Production	6/28/19 2:00 PM		0.38	0.00	97	54	2790	24
Well Shut in	6/28/19 2:01 PM	Shut in well to repair L2 trip 2700						
NPT	6/28/19 2:02 PM	NPT on TFMC. Shut in well and deinventory vessel to repair L2					3362	
Initial Production	6/28/19 2:25 PM	Open well to flow on a 24/64" choke with 3400 psi(g) on the tubing . Resume following Flowback procedure for BB field					3400	
Initial Production	6/28/19 3:00 PM	(3:30) Increase choke to 28/64"	0.45	0.10	56	25	2896	24
Initial Production	6/28/19 4:00 PM		0.50	0.13	118	43	2850	28
Initial Production	6/28/19 5:00 PM		0.47	0.11	126	49	2875	28
Initial Production	6/28/19 6:00 PM	(6:00) Increase choke to 32/64"	4.30	0.00	127	51	2838	28
Initial Production	6/28/19 7:00 PM		4.30	0.00	154	75	2715	32
Initial Production	6/28/19 8:00 PM	(08:00) Increase choke to 36/64" Water Weight = 9.8 ppg Oil API = 42.89 @ 60°F	3.30	0.98	140	69	2705	32
Initial Production	6/28/19 9:00 PM		4.20	0.84	167	67	2611	36
Initial Production	6/28/19 10:00 PM		4.30	0.88	159	69	2635	36
Initial Production	6/28/19 11:00 PM		4.40	0.74	151	65	2633	36
Initial Production	6/29/19 12:00 AM	Water Weight = 9.8 ppg Oil API = 44.27 @ 60°F H2S= 0 ppm	4.30	0.89	158	70	2549	36
Initial Production	6/29/19 1:00 AM		4.30	0.72	164	51	2430	36
Initial Production	6/29/19 2:00 AM		4.20	0.91	166	59	2549	36
Initial Production	6/29/19 3:00 AM		4.40	0.75	151	59	2594	36
Initial Production	6/29/19 4:00 AM	Water Weight = 9.8 ppg Oil API = 45.78 @ 60°F	4.20	0.94	169	59	2564	36
Initial Production	6/29/19 5:00 AM		4.40	0.74	154	51	2247	36
Initial Production	6/29/19 6:00 AM		4.51	0.90	148	27	2551	36
Initial Production	6/29/19 7:00 AM		4.55	0.85	170	56	2550	36
Initial Production	6/29/19 8:00 AM	Water Weight = 9.7 ppg Oil API = 43.70 @ 60°F	4.60	0.94	130	56	2541	36
Initial Production	6/29/19 9:00 AM	(9:00 Increase Choke to 38/64"	4.49	0.81	130	51	2526	36
Initial Production	6/29/19 10:00 AM		5.10	0.98	157	56	2112	38
Well Shut in	6/29/19 10:25 AM	ISIP: 2282					2282	38
NPT	6/29/19 10:25 AM	NPT ON Production; Facilities High Level Alarm						38
Initial Production	6/29/19 10:59 AM	Open well to flow on a 38/64" choke with 3475 psi(g) on the tubing . Resume following Flowback procedure for BB field					3475	
Initial Production	6/29/19 11:00 AM		5.30	0.78	114	35	1880	38
Initial Production	6/29/19 12:00 PM	Water Weight = 9.7 ppg Oil API = 42.30 @ 60°F H2S= 0 ppm	5.50	1.00	119	52	2331	38
Initial Production	6/29/19 1:00 PM	(1:00) Increase Choke to 40/64"	4.93	0.74	152	62	2313	38

Initial Production	6/29/19 2:00 PM	(2:00) Increase Choke to 42/64"	4.95	1.04	150	51	2128	40
Initial Production	6/29/19 3:00 PM	(3:00) Decrease Choke to 40/64"	5.25	0.96	186	72	2120	42
Initial Production	6/29/19 4:00 PM	Water Weight = 9.7 ppg Oil API = 42.51 @ 60°F	5.00	0.75	175	52	2200	40
Initial Production	6/29/19 5:00 PM		6.07	0.10	181	66	2200	40
Initial Production	6/29/19 6:00 PM		6.30	0.00	184	44	2155	40
Initial Production	6/29/19 7:00 PM		5.00	0.99	159	62	2173	40
Initial Production	6/29/19 8:00 PM	Water Weight = 9.6 ppg Oil API = 40.90 @ 60°F	4.90	0.98	157	63	2175	40
Initial Production	6/29/19 9:00 PM		4.90	0.91	184	46	2159	40
Well Shut in	6/29/19 9:11 PM	(9:11) SIWP 3345 psi(g). High Separator Level On Production.					3345	
NPT	6/29/19 9:12 PM	Well shut due to High Separator Level						
Initial Production	6/29/19 9:25 PM	(9:25) Open H-8 to flow on 40/64" choke with an IOP of 3395 psi(g).					3395	40
Initial Production	6/29/19 10:00 PM		5.40	0.11	108	40	2125	40
Initial Production	6/29/19 11:00 PM		5.00	0.98	177	52	2175	40
Initial Production	6/30/19 12:00 AM	Water Weight = 9.6 ppg Oil API = 41.20 @ 60°F H2S= 0 ppm	5.10	0.98	158	75	2177	40
Initial Production	6/30/19 1:00 AM		5.00	0.97	180	53	2184	40
Initial Production	6/30/19 2:00 AM		5.10	0.85	171	60	2176	40
Initial Production	6/30/19 3:00 AM		5.00	0.89	174	59	2164	40
Initial Production	6/30/19 4:00 AM	Water Weight = 9.6 ppg Oil API = 41.10 @ 60°F	4.90	1.05	182	52	2166	40
Initial Production	6/30/19 5:00 AM		4.87	1.03	183	61	2168	40
Initial Production	6/30/19 6:00 AM		4.93	0.99	184	35	2164	40
Initial Production	6/30/19 7:00 AM		4.98	0.93	181	63	2157	40
Initial Production	6/30/19 8:00 AM	Water Weight = 9.6 ppg Oil API = 43.810 @ 60°F	4.95	0.94	180	60	2147	40
Initial Production	6/30/19 9:00 AM		4.79	1.14	172	56	2155	40
Initial Production	6/30/19 10:00 AM		4.88	1.04	166	62	2160	40
Initial Production	6/30/19 11:00 AM		5.02	0.90	172	63	2146	40
Initial Production	6/30/19 12:00 PM	(12:00) Decrease choke to 36/64" Water Weight = 9.6 ppg Oil API = 43.90 @ 60°F H2S= 0 ppm	5.08	0.80	166	58	2141	40
Initial Production	6/30/19 1:00 PM		4.87	0.79	148	58	2223	38
Initial Production	6/30/19 2:00 PM	(2:00) Decrease choke to 36/64"	4.82	0.84	172	58	2220	38
Initial Production	6/30/19 3:00 PM		4.68	0.71	153	58	2315	36
Initial Production	6/30/19 4:00 PM	(4:00) Decrease choke to 34/64" Water Weight = 9.6 ppg Oil API = 43.850 @ 60°F	4.30	0.72	146	50	2450	36
Initial Production	6/30/19 5:00 PM		4.30	0.75	147	54	2431	34
Initial Production	6/30/19 6:00 PM	(6:00) Decreased to 32/64" choke	2.40	0.69	150	46	2477	34
Initial Production	6/30/19 7:00 PM		3.90	0.77	138	49	2528	32
Initial Production	6/30/19 8:00 PM	(8:00) Decreased to 28/64" choke Water Weight = 9.6 ppg Oil API = 42.59 @ 60°F	3.40	0.61	131	44	2529	32
Initial Production	6/30/19 9:00 PM		2.10	0.63	107	48	2746	28
Initial Production	6/30/19 10:00 PM	(10:00) Decreased to 26/64" choke	2.60	0.00	116	35	2755	28
Initial Production	6/30/19 11:00 PM		3.20	0.00	104	42	2828	26
Initial Production	7/1/19 12:00 AM	(12:00) Decrease choke to 24/64" Water Weight = 9.6 ppg Oil API = 43.41 @ 60°F H2S= 0 ppm	3.10	0.00	106	39	2831	26
Initial Production	7/1/19 1:00 AM		2.90	0.00	91	29	2893	24
Initial Production	7/1/19 2:00 AM		2.80	0.00	109	39	2889	24
Initial Production	7/1/19 3:00 AM		2.80	0.00	87	34	2888	24
Initial Production	7/1/19 4:00 AM	Water Weight = 9.6 ppg Oil API = 43.41 @ 60°F	2.80	0.00	90	31	2894	24
Initial Production	7/1/19 5:00 AM		2.30	0.00	85	31	2903	24
Initial Production	7/1/19 6:00 AM		2.30	0.00	88	27	2931	24
Flowback operations complete	7/1/19 7:00 AM	(7:15) Turned over on a TFMC 24/64" choke to Production 20/64" choke at 2,878 psi(g). Manifold sand sample = 0.01%	2.25	0.00	100	33	2878	24

Version.20190404

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY

Company Name	Hess Corporation
Well Name	BB-EIDE-151-95-3328H-9
API Number	
Area Work Team	D
Field	BB
Formation	TF
Area (Acres)	1280
Date on Location	6/27/2019
Initial Flowback Date	7/1/19 12:30 PM
Flowback Company	TechnipFMC
Responsible Contractor	Joshua Turmon
Phone Contact	701-389-9367
Initial Shut-in Tubing Pressure (Psi)	1,795 PSI

FRAC JOB SUMMARY

Type Frac Job	Hydraulic Frac
TOTAL Clean Fluid Pumped	103,735 BBLS
TOTAL Sand Pumped	4,938,777 LBS
Proposed # Stages	31 Stages
Effective # Stages	31 Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
Flowback Crew / Hess FB Supervisor
Flowback
Automatic

Event Phase	Date MM/DD/YY TIME	Remarks	Flared Gas Rate (FB) MMscfd	Sales Gas Rate MMscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psi(g)	Choke Size in (# /64)
Standard Work	7/1/19 7:20 AM	(7:20) TFMC Begin Rig over to H9						
Standard Work	7/1/19 9:00 AM	(9:00) TFMC Completes Rig over, Fill lines for Pressure Testing. (11:00) Arp Testing arrives on location. Begins High Pressure test on 2" 1502 Line.						
Standard Work	7/1/19 11:00 AM	(11:10) Pressure test pass. (11:30) Begins Low Pressure test on 3" 206 line. (11:40) Pressure test pass/complete.						
Standard Work	7/1/19 12:00 PM	(12:00) TFMC begins maintenance and completes checklists before opening.						
Initial Flowback	7/1/19 12:40 PM	Open well to flow on a 24/64" choke with 1749 psi(g) on the tubing. Begin to follow flowback procedure for BB field					1799	24
Initial Flowback	7/1/19 1:00 PM		0.00	0.00	0	30	1730	24
Initial Production	7/1/19 1:55 PM	Oil to sales at 1:55 pm. TFMC begins bleedign off casing pressures						
Initial Production	7/1/19 2:00 PM		1.89	0.00	50	32	2154	24
Initial Production	7/1/19 3:00 PM	(3:00) Increase Choke to 28/64"	1.38	0.53	88	35	2561	24
Initial Production	7/1/19 4:00 PM	Water Weight = 9.8 ppg Oil API = 43.91 @ 60°F	1.68	0.59	118	43	2751	28
Initial Production	7/1/19 5:00 PM	(05:00) Increase choke to 32/64"	1.96	0.53	85	65	2552	28
Initial Production	7/1/19 6:00 PM		2.60	0.61	114	66	2320	32
Initial Production	7/1/19 7:00 PM	(07:00) increased choke to 36/64"	2.70	0.52	125	80	2255	32
Initial Production	7/1/19 8:00 PM	Water Weight = 9.7 ppg Oil API = 42.68 @ 60°F	2.90	0.60	129	68	2146	36
Initial Production	7/1/19 9:00 PM	(09:00) increased choke to 38/64"	2.70	0.55	123	82	2212	36
Initial Production	7/1/19 10:00 PM		3.60	0.55	118	68	2158	38
Initial Production	7/1/19 11:00 PM		3.70	0.70	124	77	2131	38
Initial Production	7/2/19 12:00 AM	(12:00) increased choke to 40/64" Water Weight = 9.7 ppg Oil API = 42.13 @ 60°F H2S = 0 ppm	3.70	0.46	135	79	2062	38
Initial Production	7/2/19 1:00 AM		3.80	0.46	136	80	2161	40
Initial Production	7/2/19 2:00 AM		3.70	0.48	135	88	2116	40
Initial Production	7/2/19 3:00 AM		3.60	0.58	148	79	2089	40
Initial Production	7/2/19 4:00 AM	Water Weight = 9.7 ppg Oil API = 41.91 @ 60°F	3.50	0.45	140	72	2046	40
Initial Production	7/2/19 5:00 AM		3.80	0.50	148	71	2099	40
Initial Production	7/2/19 6:00 AM		4.47	0.60	137	67	2071	40
Initial Production	7/2/19 7:00 AM		4.28	0.73	142	71	2067	40
Initial Production	7/2/19 8:00 AM	Water Weight = 9.8 ppg Oil API = 43.20 @ 60°F	4.27	0.71	139	76	2037	40
Initial Production	7/2/19 9:00 AM		4.20	0.80	147	70	2035	40
Initial Production	7/2/19 10:00 AM		4.18	0.87	139	76	2044	40
Initial Production	7/2/19 11:00 AM		4.21	0.81	142	73	2044	40
Initial Production	7/2/19 12:00 PM	Water Weight = 9.7 ppg Oil API = 42.82 @ 60°F H2S = 0 ppm	4.17	0.85	148	76	2035	40
Initial Production	7/2/19 1:00 PM		4.45	0.56	147	76	2042	
Initial Production	7/2/19 2:00 PM		4.43	0.57	141	75	2019	40
Initial Production	7/2/19 3:00 PM		4.07	0.96	122	75	2012	40
Initial Production	7/2/19 4:00 PM	(4:00) Increased choke to 42/62" Water Weight = 9.8 ppg Oil API = 42.70 @ 60°F	4.11	0.95	140	76	2009	40
Initial Production	7/2/19 5:00 PM		4.50	0.65	155	72	1926	42
Initial Production	7/2/19 6:00 PM		4.30	0.79	122	80	1910	42
Initial Production	7/2/19 7:00 PM	(7:00) Increased choke to 44/64"	4.30	0.74	128	76	1943	42
Initial Production	7/2/19 8:00 PM	Water Weight = 9.8 ppg Oil API = 42.44 @ 60°F	4.70	0.49	130	78	1858	44
Initial Production	7/2/19 9:00 PM		4.70	0.62	127	93	1862	44
Initial Production	7/2/19 10:00 PM		4.60	0.66	147	72	1857	44
Initial Production	7/2/19 11:00 PM		5.10	0.21	165	75	1860	44

Initial Production	7/3/19 12:00 AM	Water Weight = 9.8 ppg Oil API = 41.76 @ 60°F H2S = 0	4.80	0.42	143	85	1857	44
Initial Production	7/3/19 1:00 AM		4.80	0.32	140	83	1868	44
Initial Production	7/3/19 2:00 AM		4.80	0.40	142	79	1803	44
Initial Production	7/3/19 3:00 AM		4.90	0.39	133	85	1827	44
Initial Production	7/3/19 4:00 AM	Water Weight = 9.8 ppg Oil API = 41.61 @ 60°F	4.80	0.13	141	76	1823	44
Initial Production	7/3/19 5:00 AM		4.38	0.52	165	74	1883	44
Initial Production	7/3/19 6:00 AM		4.84	0.49	113	81	1871	44
Initial Production	7/3/19 7:00 AM		4.86	0.50	145	75	1816	44
Initial Production	7/3/19 8:00 AM	Water Weight = 9.8 ppg Oil API = 41.8 @ 60°F	4.91	0.48	142	76	1806	44
Initial Production	7/3/19 9:00 AM		4.86	0.49	145	85	1802	44
Initial Production	7/3/19 10:00 AM		4.86	0.49	137	73	1804	44
Initial Production	7/3/19 11:00 AM		4.88	0.46	140	81	1801	44
Initial Production	7/3/19 12:00 PM	(12:15) Decrease Choke to 42/64"Water Weight = 9.7 ppg Oil API = 41.3 @ 60°F H2S = 0 ppm	4.83	0.45	128	61	1772	44
Initial Production	7/3/19 1:00 PM		4.74	0.44	157	76	1854	42
Initial Production	7/3/19 2:00 PM	(2:00) Decrease choke to 40/64"	4.69	0.45	125	72	1856	42
Initial Production	7/3/19 3:00 PM		4.49	0.41	131	72	1927	40
Initial Production	7/3/19 4:00 PM	(4:00) Decrease Choke to 38/64" Water Weight = 9.8 ppg Oil API = 41.51 @ 60°F	4.50	0.40	133	69	1930	40
Initial Production	7/3/19 5:00 PM		4.70	0.68	133	66	2012	38
Initial Production	7/3/19 6:00 PM	(6:00) Decrease Choke to 36/64"	4.70	0.70	124	57	1991	38
Initial Production	7/3/19 7:00 PM		4.50	0.73	130	69	2080	36
Initial Production	7/3/19 8:00 PM	(8:00) Decrease Choke to 34/64" Weight = 9.8 ppg Oil API = 41.51 @ 60°F	4.50	0.00	100	64	2068	36
Initial Production	7/3/19 9:00 PM		3.70	0.72	121	66	2075	34
Initial Production	7/3/19 10:00 PM	(10:00) Decrease Choke to 32/64"	4.20	0.00	106	67	2159	34
Initial Production	7/3/19 11:00 PM		2.60	0.00	98	54	2243	32
Initial Production	7/4/19 12:00 AM	(12:00) Decrease Choke to 30/64" Weight = 9.8 ppg Oil API = 41.3 @ 60°F H2S = 0 ppm	2.60	0.00	111	64	2238	32
Initial Production	7/4/19 1:00 AM		1.50	0.64	95	49	2368	30
Initial Production	7/4/19 2:00 AM	(2:00) Decrease Choke to 28/64"	2.20	0.00	85	54	2369	30
Initial Production	7/4/19 3:00 AM		2.00	0.00	90	55	2411	28
Initial Production	7/4/19 4:00 AM	Weight = 9.8 ppg Oil API = 41.51 @ 60°F	1.40	0.23	87	45	2427	28
Initial Production	7/4/19 5:00 AM		1.50	0.31	83	59	2417	28
Initial Production	7/4/19 6:00 AM		1.30	0.00	89	45	2423	28
Initial Production	7/4/19 7:00 AM		1.40	0.00	79	40	2328	28
Flowback operations complete	7/4/19 8:00 AM	(8:00) Turned over on a TFMC 28/64" choke to Production 26/64" choke at 2420 psi(g). Manifold sand sample = 0.01%	1.50	0.00	83	49	2423	28

Version 20190404

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY		
Company Name	Hess Corporation	
Well Name	BB-EIDE-151-95-3328H-10	
API Number		
Area Work Team	D	
Field	BB	
Formation	MB	
Area (Acres)	1280	
Date on Location	6/27/2019	
Initial Flowback Date	7/4/19 11:00 AM	
Flowback Company	TechnipFMC	
Responsible Contractor	Joshua Turmon	
Phone Contact	701-389-9367	
Initial Shut-in Tubing Pressure (Psi)	3,430	PSI

FRAC JOB SUMMARY		
Type Frac Job	Hydraulic Frac	
TOTAL Clean Fluid Pumped	161,168	BBLS
TOTAL Sand Pumped	9,910,910	LBS
Proposed # Stages	31	Stages
Effective # Stages	31	Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
- Flowback Crew / Hess FB Supervisor
- Flowback
- Automatic

Event Phase	Date MM/DD/YY TIME	Remarks	Flared Gas Rate (FG) MMscfd	Sales Gas Rate MMscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psi(g)	Choke Size in (#/64)	Duration hrs	Cum Time hrs	Oil Daily bbl/day	Total Fluid bbl/hr	Oil Cum bbl
	7/7/19 7:00 PM	Report start time	0.00	0.00	0	0	3477	0	0:00	0	0.00	0	0
Standard Work	7/4/19 8:00 AM	(8:00) TFMC Begin RDMO to H10							1:00	0.00	0.00	0.00	0.00
Standard Work	7/4/19 9:00 AM	(8:45) Complete 1502 Flowline Tie in and TPR. (8:50) TFMC begins maintenance on equipment and parts.							1:00	1.00	0.00	0.00	0.00
Standard Work	7/4/19 10:00 AM	(10:00) Arp Testing arrives on location. Awaiting for Quale Trucking to arrive on location to fill lines as instructed prior. (10:40) Quale trucking arrives back on location. (10:50) TFMC begins high pressure test.							1:00	2.00	0.00	0.00	0.00
Standard Work	7/4/19 11:00 AM	(11:10) High Pressure line test complete. (11:15) TFMC begins pressure test on low pressure line. (11:30) Low Pressure Test complete. (11:35) TFMC rig up/maintenance completed.							0:36	3.00	0.00	0.00	0.00
NPT	7/4/19 11:36 AM	(11:36) HS0088 High level was not installed. TFMC installed prior to opening well							0:24	3.60	0.00	0.00	0.00
Initial Flowback	7/4/19 12:00 PM	(12:00) Open well to flow on a 24/64" choke with an ICP of 3,430 psi(g) to HS0088. Immediate Gas to Surface					3430	24	0:10	4.00	0.00	0.00	0.00
Initial Production	7/4/19 12:10 PM	(12:10) Oil to Production with a WHP of 2,297 psi(g) on a 24/64" choke.					2297	24	0:50	4.17	0.00	0.00	0.00
Initial Production	7/4/19 1:00 PM		2.60	0.29	40	63	2867	24	0:10	5.00	960.00	103.00	40.00
Well Shut-in	7/4/19 1:10 PM	SIWP: 3,096 psi(g)					3096		0:01	5.17	0.00	0.00	40.00
NPT	7/4/19 1:11 PM	(1:10) Well shut in due to 2" 1502 Gland Gasket leak on flowline. TFMC depressurized line, Reported incident, Replace Gasket, then proceeded with normal operations.							0:24	5.18	0.00	0.00	40.00
Initial Production	7/4/19 1:35 PM	(1:35) Open well up to flow on a 24/64" choke with a WHP of 3,477 psi(g)					3477	24	0:25	5.58	0.00	0.00	40.00
Initial Production	7/4/19 2:00 PM	(2:30) Increase choke to 28/64"	1.30	0.00	5	23	3068	24	1:00	6.00	120.00	28.00	45.00
Initial Production	7/4/19 3:00 PM		2.60	0.49	67	55	2919	28	1:00	7.00	1608.00	122.00	112.00
Initial Production	7/4/19 4:00 PM	(4:30) Increase choke to 32/64" Water Weight = 9.8 ppg Oil API = 42.43 @ 60°F	2.69	0.35	93	56	2859	28	1:00	8.00	2232.00	149.00	205.00
Initial Production	7/4/19 5:00 PM		3.20	0.48	112	62	2512	32	1:00	9.00	2688.00	174.00	317.00
Initial Production	7/4/19 6:00 PM	(6:30) Increase choke to 36/64"	3.52	0.35	95	56	2532	32	1:00	10.00	2280.00	151.00	412.00
Initial Production	7/4/19 7:00 PM		3.91	0.00	117	60	2250	36	1:00	11.00	2808.00	177.00	529.00
Initial Production	7/4/19 8:00 PM	(8:30) Increase choke to 38/64" Water Weight = 9.6 ppg Oil API = 42.43 @ 60°F	4.13	0.27	77	63	2258	36	1:00	12.00	1848.00	140.00	606.00
Initial Production	7/4/19 9:00 PM		4.00	0.54	118	78	2153	38	1:00	13.00	2832.00	196.00	724.00
Initial Production	7/4/19 10:00 PM	(12:30) Increase choke to 40/64"	4.27	0.25	125	68	2130	38	1:00	14.00	3000.00	193.00	849.00
Initial Production	7/4/19 11:00 PM		4.23	0.36	94	67	2029	40	1:00	15.00	2256.00	161.00	943.00
Initial Production	7/5/19 12:00 AM	(12:30) Increase choke to 42/64" Water Weight = 9.6 ppg Oil API = 42.71 @ 60°F H2S = 0 ppm	4.24	0.57	132	67	2100	40	1:00	16.00	3168.00	199.00	1075.00
Initial Production	7/5/19 1:00 AM		4.55	0.43	144	72	1969	42	1:00	17.00	3456.00	216.00	1219.00
Initial Production	7/5/19 2:00 AM		4.49	0.52	133	80	2000	42	1:00	18.00	3192.00	213.00	1352.00
Initial Production	7/5/19 3:00 AM	(3:30) Increase choke to 44/64"	4.46	0.54	134	62	1958	42	1:00	19.00	3216.00	196.00	1486.00
Initial Production	7/5/19 4:00 AM	Water Weight = 9.6 ppg Oil API = 42.03 @ 60°F	5.02	0.32	145	76	1925	44	1:00	20.00	3480.00	221.00	1631.00
Initial Production	7/5/19 5:00 AM		4.88	0.40	128	73	1922	44	1:00	21.00	3072.00	201.00	1759.00
Initial Production	7/5/19 6:00 AM		3.20	0.62	118	66	1922	44	1:00	22.00	2832.00	184.00	1877.00
Initial Production	7/5/19 7:00 AM	(7:30) Increase choke to 46/64"	5.00	0.33	76	87	2025	44	1:00	23.00	1824.00	163.00	1953.00
Initial Production	7/5/19 8:00 AM	Water Weight = 9.6 ppg Oil API = 42.26 @ 60°F	5.30	0.37	144	80	1829	46	1:00	24.00	3456.00	224.00	2097.00
Initial Production	7/5/19 9:00 AM		5.20	0.52	126	64	1778	46	1:00	25.00	3024.00	190.00	2223.00
Initial Production	7/5/19 10:00 AM		5.20	0.46	141	65	1771	46	1:00	26.00	3384.00	206.00	2364.00
Initial Production	7/5/19 11:00 AM		5.50	0.33	100	59	1823	46	1:00	27.00	2400.00	159.00	2464.00
Initial Production	7/5/19 12:00 PM	Water Weight = 9.8 ppg Oil API = 42.26 @ 60°F H2S = 0 ppm	5.40	0.42	156	75	1833	46	1:00	28.00	3744.00	231.00	2620.00
Initial Production	7/5/19 1:00 PM		5.50	0.32	168	71	1736	46	1:00	29.00	4032.00	239.00	2788.00
Initial Production	7/5/19 2:00 PM		5.30	0.46	167	72	1843	46	1:00	30.00	4008.00	239.00	2955.00
Initial Production	7/5/19 3:00 PM		5.30	0.40	140	63	1762	46	1:00	31.00	3360.00	203.00	3095.00
Initial Production	7/5/19 4:00 PM	Water Weight = 9.8 ppg Oil API = 42.15 @ 60°F	5.60	0.46	145	78	1869	46	1:00	32.00	3480.00	223.00	3240.00
Initial Production	7/5/19 5:00 PM		5.80	0.45	174	61	1898	46	1:00	33.00	4176.00	235.00	3414.00
Initial Production	7/5/19 6:00 PM		5.63	0.42	176	66	1799	46	1:00	34.00	4224.00	242.00	3590.00
Initial Production	7/5/19 7:00 PM		5.42	0.41	131	74	1890	46	1:00	35.00	3144.00	205.00	3721.00
Initial Production	7/5/19 8:00 PM	Water Weight = 9.6 ppg Oil API = 42.27 @ 60°F	5.69	0.42	159	74	1909	46	1:00	36.00	3816.00	233.00	3880.00
Initial Production	7/5/19 9:00 PM		5.83	0.41	118	73	1898	46	1:00	37.00	2832.00	191.00	3998.00
Initial Production	7/5/19 10:00 PM		5.75	0.39	164	75	1844	46	1:00	38.00	3936.00	239.00	4162.00
Initial Production	7/5/19 11:00 PM		5.84	0.41	172	77	1900	46	1:00	39.00	4128.00	249.00	4334.00
Initial Production	7/6/19 12:00 AM	Water Weight = 9.6 ppg Oil API = 41.58 @ 60°F H2S = 0 ppm	5.64	0.38	146	78	1902	46	1:00	40.00	3504.00	224.00	4480.00
Initial Production	7/6/19 1:00 AM		5.83	0.43	148	74	1906	46	1:00	41.00	3552.00	222.00	4628.00
Initial Production	7/6/19 2:00 AM		5.85	0.42	164	68	1884	46	1:00	42.00	3936.00	232.00	4792.00
Initial Production	7/6/19 3:00 AM		5.82	0.46	143	76	1895	46	1:00	43.00	3432.00	219.00	4935.00
Initial Production	7/6/19 4:00 AM	Water Weight = 9.6 ppg Oil API = 41.22 @ 60°F	5.78	0.45	151	80	1868	46	1:00	44.00	3624.00	231.00	5086.00
Initial Production	7/6/19 5:00 AM		5.84	0.47	147	80	1887	46	1:00	45.00	3528.00	227.00	5233.00
Initial Production	7/6/19 6:00 AM		5.80	0.39	140	64	1888	46	1:00	46.00	3360.00	204.00	5373.00
Initial Production	7/6/19 7:00 AM		5.60	0.46	130	81	1885	46	1:00	47.00	3120.00	211.00	5503.00
Initial Production	7/6/19 8:00 AM	Water Weight = 9.6 ppg Oil API = 43.34 @ 60°F	5.60	0.45	135	71	1878	46	1:00	48.00	3240.00	206.00	5638.00

Date MM/DD/YY TIME	Oil Cut %	Water Cut %	Water Daily bbl/day	Water Cum bbl	Load Recovery %	Total Liq Cum bbl	Flared Gas Cum MMscf	Sales Gas Cum MMSCF	Total Gas Cum MMSCF	GOR scf/bbl	BFPH/FTP (bbls/psi)	Cum FTPH/FTP (bbl/psi)	1/PI (psi/bbl)	BO/Stage (bbls/stg)	SQRT (t) (Hours^0.5)	ART (if)
7/7/19 7:00 PM				0	0.0%	0	0.00	0.00	0.00		0.0	0.0		0.0	0.0	D
7/4/19 8:00 AM			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	0.0	D
7/4/19 9:00 AM			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	1.0	D
7/4/19 10:00 AM			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	1.4	D
7/4/19 11:00 AM			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	1.7	D
7/4/19 11:36 AM			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	1.9	D
7/4/19 12:00 PM			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	2.0	D
7/4/19 12:10 PM			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	2.0	D
7/4/19 1:00 PM	38.83%	61.17%	1512.00	63.00	0.0%	103.00	0.10	0.01	0.12	2906.25	0.0	0.0	0.6	31.0	2.2	D
7/4/19 1:10 PM			0.00	63.00	0.0%	103.00	0.10	0.01	0.12		0.0	0.0		0.0	2.3	D
7/4/19 1:11 PM			0.00	63.00	0.0%	103.00	0.10	0.01	0.12					0.0	2.3	D
7/4/19 1:35 PM			0.00	63.00	0.0%	103.00	0.10	0.01	0.12		0.0	0.0		0.0	2.4	D
7/4/19 2:00 PM	17.86%	82.14%	552.00	86.00	0.1%	131.00	0.16	0.04	0.20	15625	0.0	0.0	3.4	3.9	2.4	D
7/4/19 3:00 PM	54.92%	45.08%	1320.00	141.00	0.1%	253.00	0.27	0.05	0.32	1885.671642	0.0	0.1	0.3	91.9	2.6	D
7/4/19 4:00 PM	62.42%	37.58%	1344.00	197.00	0.1%	402.00	0.36	0.07	0.45	1362.903226	0.1	0.1	0.3	72.0	2.8	D
7/4/19 5:00 PM	64.37%	35.63%	1488.00	259.00	0.2%	576.00	0.51	0.09	0.60	1369.047619	0.1	0.2	0.4	86.7	3.0	D
7/4/19 6:00 PM	62.91%	37.09%	1344.00	315.00	0.2%	727.00	0.66	0.10	0.76	1697.368421	0.1	0.3	0.4	73.5	3.2	D
7/4/19 7:00 PM	66.10%	33.90%	1440.00	375.00	0.2%	904.00	0.82	0.13	0.95	1606.125356	0.1	0.4	0.4	90.6	3.3	D
7/4/19 8:00 PM	55.00%	45.00%	1512.00	438.00	0.3%	1044.00	0.99	0.14	1.13	2375.541126	0.1	0.5	0.7	59.6	3.5	D
7/4/19 9:00 PM	60.20%	39.80%	1872.00	516.00	0.3%	1240.00	1.16	0.16	1.32	1603.107345	0.1	0.6	0.5	91.4	3.6	D
7/4/19 10:00 PM	64.77%	35.23%	1632.00	584.00	0.4%	1433.00	1.34	0.17	1.51	1506.666667	0.1	0.7	0.4	96.8	3.7	D
7/4/19 11:00 PM	58.39%	41.61%	1608.00	651.00	0.4%	1594.00	1.51	0.19	1.70	2034.574468	0.1	0.8	0.8	72.8	3.9	D
7/5/19 12:00 AM	66.33%	33.67%	1608.00	718.00	0.4%	1793.00	1.69	0.21	1.90	1518.306061	0.1	0.9	0.4	102.2	4.0	D
7/5/19 1:00 AM	66.67%	33.33%	1728.00	790.00	0.5%	2009.00	1.88	0.23	2.11	1440.972222	0.1	1.0	0.4	111.5	4.1	D
7/5/19 2:00 AM	62.44%	37.56%	1920.00	870.00	0.5%	2222.00	2.07	0.25	2.32	1569.548872	0.1	1.1	0.5	103.0	4.2	D
7/5/19 3:00 AM	68.37%	31.63%	1488.00	932.00	0.6%	2418.00	2.25	0.27	2.53	1564.726368	0.1	1.2	0.5	103.7	4.4	D
7/5/19 4:00 AM	65.61%	34.39%	1824.00	1008.00	0.6%	2639.00	2.46	0.29	2.75	1534.482759	0.1	1.4	0.4	112.3	4.5	D
7/5/19 5:00 AM	63.68%	36.32%	1752.00	1081.00	0.7%	2840.00	2.67	0.30	2.97	1712.239583	0.1	1.5	0.5	99.1	4.6	D
7/5/19 6:00 AM	64.13%	35.87%	1584.00	1147.00	0.7%	3024.00	2.80	0.33	3.13	1348.870056	0.1	1.6	0.5	91.4	4.7	D
7/5/19 7:00 AM	46.63%	53.37%	2088.00	1234.00	0.8%	3187.00	3.01	0.34	3.35	2922.149123	0.1	1.6	0.8	58.3	4.8	D
7/5/19 8:00 AM	64.29%	35.71%	1920.00	1314.00	0.8%	3411.00	3.23	0.36	3.59	1639.467593	0.1	1.9	0.5	111.5	4.9	D
7/5/19 9:00 AM	66.32%	33.68%	1536.00	1378.00	0.9%	3601.00	3.44	0.38	3.82	1892.526455	0.1	2.0	0.6	97.5	5.0	D
7/5/19 10:00 AM	68.45%	31.55%	1560.00	1443.00	0.9%	3807.00	3.66	0.40	4.06	1673.758865	0.1	2.1	0.5	109.2	5.1	D
7/5/19 11:00 AM	62.89%	37.11%	1416.00	1502.00	0.9%	3966.00	3.89	0.41	4.30	2427.083333	0.1	2.2	0.7	77.4	5.2	D
7/5/19 12:00 PM	67.53%	32.47%	1800.00	1577.00	1.0%	4197.00	4.12	0.43	4.54	1553.085897	0.1	2.3	0.4	120.8	5.3	D
7/5/19 1:00 PM	70.29%	29.71%	1704.00	1648.00	1.0%	4436.00	4.34	0.44	4.79	1442.212302	0.1	2.6	0.4	130.1	5.4	D
7/5/19 2:00 PM	69.87%	30.13%	1728.00	1720.00	1.1%	4675.00	4.57	0.46	5.03	1403.592236	0.1	2.5	0.4	129.3	5.5	D
7/5/19 3:00 PM	68.97%	31.03%	1512.00	1783.00	1.1%	4878.00	4.79	0.48	5.27	1722.916667	0.1	2.8	0.5	108.4	5.6	D
7/5/19 4:00 PM	65.02%	34.98%	1872.00	1861.00	1.2%	5101.00	5.02	0.50	5.52	1746.551724	0.1	2.7	0.5	112.3	5.7	D
7/5/19 5:00 PM	74.04%	25.96%	1464.00	1922.00	1.2%	5336.00	5.25	0.52	5.77	1448.754789	0.1	2.8	0.4	134.7	5.7	D
7/5/19 6:00 PM	72.73%	27.27%	1584.00	1988.00	1.2%	5578.00	5.49	0.54	6.03	1432.291667	0.1	3.1	0.4	136.3	5.8	D
7/5/19 7:00 PM	63.90%	36.10%	1776.00	2062.00	1.3%	5783.00	5.71	0.56	6.27	1954.3257	0.1	3.1	0.5	101.4	5.9	D
7/5/19 8:00 PM	68.24%	31.76%	1776.00	2136.00	1.3%	6016.00	5.95	0.57	6.52	1601.15304	0.1	3.2	0.4	123.1	6.0	D
7/5/19 9:00 PM	61.78%	38.22%	1752.00	2209.00	1.4%	6207.00	6.19	0.59	6.78	2203.389831	0.1	3.3	0.6	91.4	6.1	D
7/5/19 10:00 PM	68.62%	31.38%	1800.00	2284.00	1.4%	6446.00	6.43	0.61	7.04	1559.95935	0.1	3.5	0.4	127.0	6.2	D
7/5/19 11:00 PM	69.08%	30.92%	1848.00	2361.00	1.5%	6695.00	6.68	0.62	7.30	1514.050388	0.1	3.5	0.4	133.2	6.2	D
7/6/19 12:00 AM	65.18%	34.82%	1872.00	2439.00	1.5%	6919.00	6.91	0.64	7.55	1718.03653	0.1	3.6	0.4	113.0	6.3	D
7/6/19 1:00 AM	66.67%	33.33%	1776.00	2513.00	1.6%	7141.00	7.15	0.66	7.81	1762.387387	0.1	3.7	0.4	114.6	6.4	D
7/6/19 2:00 AM	70.69%	29.31%	1632.00	2581.00	1.6%	7373.00	7.40	0.67	8.07	1592.987805	0.1	3.9	0.4	127.0	6.5	D
7/6/19 3:00 AM	65.30%	34.70%	1824.00	2657.00	1.6%	7592.00	7.64	0.69	8.33	1629.83683	0.1	4.0	0.5	110.7	6.6	D
7/6/19 4:00 AM	65.37%	34.63%	1920.00	2737.00	1.7%	7823.00	7.88	0.71	8.59	1719.094923	0.1	4.1	0.4	116.9	6.6	D
7/6/19 5:00 AM	64.76%	35.24%	1920.00	2817.00	1.7%	8050.00	8.12	0.73	8.85	1732.993197	0.1	4.3	0.5	113.8	6.7	D
7/6/19 6:00 AM	68.63%	31.37%	1536.00	2881.00	1.8%	8254.00	8.36	0.75	9.11	1842.261905	0.1	4.4	0.5	108.4	6.8	D
7/6/19 7:00 AM	61.61%	38.39%	1944.00	2962.00	1.8%	8465.00	8.59	0.77	9.36	1942.307692	0.1	4.5	0.5	100.6	6.9	D
7/6/19 8:00 AM	65.53%	34.47%	1704.00	3033.00	1.9%	8671.00	8.82	0.79	9.61	1867.283951	0.1	4.6	0.5	104.5	6.9	D

Initial Production	7/6/19 9:00 AM		5.60	0.46	140	75	1874	46	1.00	49.00	3360.00	215.00	5778.00	65.12%	34.88%	1800.00	3108.00	1.9%	8886.00	9.06	0.81	9.86	1802.083333	0.1	4.7	0.5	108.4	7.0	D
Initial Production	7/6/19 10:00 AM		5.60	0.46	155	76	1877	46	1.00	50.00	3720.00	231.00	5933.00	67.10%	32.90%	1824.00	3184.00	2.0%	9117.00	9.29	0.82	10.12	1628.225806	0.1	4.9	0.4	120.0	7.1	D
Initial Production	7/6/19 11:00 AM		5.60	0.50	149	81	1867	46	1.00	51.00	3576.00	230.00	6082.00	64.78%	35.22%	1944.00	3265.00	2.0%	9347.00	9.52	0.85	10.37	1706.816555	0.1	5.0	0.5	115.4	7.1	D
Initial Production	7/6/19 12:00 PM	Water Weight = 9.6 ppg Oil API = 41.79 @ 60°F H2S = 0 ppm	5.60	0.46	154	67	1863	46	1.00	52.00	3696.00	221.00	6236.00	69.68%	30.32%	1608.00	3332.00	2.1%	9568.00	9.76	0.86	10.62	1636.01036	0.1	5.1	0.4	119.2	7.2	D
Initial Production	7/6/19 1:00 PM		5.60	0.46	143	80	1864	46	1.00	53.00	3432.00	223.00	6379.00	64.13%	35.87%	1920.00	3412.00	2.1%	9791.00	9.99	0.88	10.87	1782.820513	0.1	5.3	0.5	110.7	7.3	D
Initial Production	7/6/19 2:00 PM		5.60	0.47	156	71	1857	46	1.00	54.00	3744.00	227.00	6535.00	68.72%	31.28%	1704.00	3483.00	2.2%	10018.00	10.22	0.90	11.13	1621.260684	0.1	5.4	0.4	120.8	7.3	D
Initial Production	7/6/19 3:00 PM		5.60	0.45	154	71	1838	46	1.00	55.00	3696.00	225.00	6689.00	68.44%	31.56%	1704.00	3554.00	2.2%	10243.00	10.46	0.92	11.38	1636.904762	0.1	5.6	0.4	119.2	7.4	D
Initial Production	7/6/19 4:00 PM	Water Weight = 9.6 ppg Oil API = 42.10 @ 60°F	5.60	0.46	147	64	1839	46	1.00	56.00	3528.00	211.00	6836.00	69.67%	30.33%	1536.00	3618.00	2.2%	10454.00	10.69	0.94	11.63	1721.938776	0.1	5.7	0.5	113.8	7.5	D
Initial Production	7/6/19 5:00 PM		5.60	0.46	144	72	1836	46	1.00	57.00	3456.00	216.00	6980.00	66.67%	33.33%	1728.00	3690.00	2.3%	10670.00	10.92	0.96	11.88	1752.803519	0.1	5.8	0.5	111.5	7.5	D
Initial Production	7/6/19 6:00 PM		5.50	0.46	164	68	1837	46	1.00	58.00	3936.00	232.00	7144.00	70.69%	29.31%	1632.00	3758.00	2.3%	10902.00	11.15	0.98	12.13	1519.308943	0.1	5.9	0.4	127.0	7.6	D
Initial Production	7/6/19 7:00 PM		5.60	0.44	143	71	1839	46	1.00	59.00	3432.00	214.00	7287.00	66.82%	33.18%	1704.00	3829.00	2.4%	11116.00	11.30	1.00	12.39	1759.90676	0.1	6.0	0.5	110.7	7.7	D
Initial Production	7/6/19 8:00 PM	Water Weight = 9.6 ppg Oil API = 41.43 @ 60°F	5.50	0.50	155	80	1830	46	1.00	60.00	3720.00	235.00	7442.00	65.96%	34.04%	1920.00	3909.00	2.4%	11351.00	11.62	1.02	12.64	1612.903226	0.1	6.2	0.4	120.0	7.7	D
Initial Production	7/6/19 9:00 PM		5.60	0.58	164	72	1831	46	1.00	61.00	3936.00	236.00	7606.00	69.49%	30.51%	1728.00	3981.00	2.5%	11587.00	11.85	1.04	12.89	1570.121951	0.1	6.3	0.4	127.0	7.8	D
Initial Production	7/6/19 10:00 PM		5.50	0.54	149	71	1828	46	1.00	62.00	3576.00	220.00	7755.00	67.73%	32.27%	1704.00	4052.00	2.5%	11807.00	12.06	1.07	13.14	1689.038031	0.1	6.5	0.5	115.4	7.9	D
Initial Production	7/6/19 11:00 PM		5.60	0.43	141	69	1823	46	1.00	63.00	3384.00	210.00	7896.00	67.14%	32.86%	1656.00	4121.00	2.6%	12017.00	12.31	1.08	13.40	1781.914894	0.1	6.6	0.5	109.2	7.9	D
Initial Production	7/7/19 12:00 AM	Water Weight = 9.6 ppg Oil API = 42.03 @ 60°F H2S = 0 ppm	5.50	0.46	160	70	1823	46	1.00	64.00	3840.00	230.00	8056.00	69.57%	30.43%	1680.00	4191.00	2.6%	12247.00	12.54	1.10	13.64	1549.479167	0.1	6.7	0.4	123.9	8.0	D
Initial Production	7/7/19 1:00 AM		5.50	0.50	158	71	1796	46	1.00	65.00	3792.00	229.00	8214.00	69.00%	31.00%	1704.00	4262.00	2.6%	12476.00	12.77	1.12	13.89	1582.278481	0.1	6.9	0.4	122.3	8.1	D
Initial Production	7/7/19 2:00 AM		5.50	0.53	163	72	1822	46	1.00	66.00	3912.00	235.00	8377.00	69.36%	30.64%	1728.00	4334.00	2.7%	12711.00	13.00	1.15	14.14	1541.411043	0.1	7.0	0.4	126.2	8.1	D
Initial Production	7/7/19 3:00 AM		5.50	0.51	150	70	1811	46	1.00	67.00	3600.00	220.00	8527.00	68.18%	31.82%	1680.00	4404.00	2.7%	12931.00	13.23	1.17	14.40	1666.444444	0.1	7.1	0.5	116.1	8.2	D
Initial Production	7/7/19 4:00 AM	Water Weight = 9.6 ppg Oil API = 41.78 @ 60°F	5.60	0.49	159	76	1816	46	1.00	68.00	3816.00	235.00	8686.00	67.66%	32.34%	1824.00	4480.00	2.8%	13166.00	13.46	1.19	14.65	1595.91195	0.1	7.3	0.4	123.1	8.2	D
Initial Production	7/7/19 5:00 AM		5.60	0.46	159	75	1819	46	1.00	69.00	3816.00	234.00	8845.00	67.95%	32.05%	1800.00	4555.00	2.8%	13400.00	13.70	1.21	14.90	1588.050314	0.1	7.4	0.4	123.1	8.3	D
Initial Production	7/7/19 6:00 AM		5.40	0.59	153	52	1810	46	1.00	70.00	3672.00	205.00	8998.00	74.63%	25.37%	1248.00	4607.00	2.9%	13605.00	13.92	1.23	15.15	1630.718954	0.1	7.5	0.5	116.5	8.4	D
Initial Production	7/7/19 7:00 AM		5.50	0.49	132	77	1809	46	1.00	71.00	3168.00	209.00	9130.00	63.16%	36.84%	1848.00	4684.00	2.9%	13814.00	14.15	1.25	15.40	1892.045455	0.1	7.6	0.5	102.2	8.4	D
Initial Production	7/7/19 8:00 AM	Water Weight = 9.6 ppg Oil API = 42.26 @ 60°F	5.50	0.50	166	71	1807	46	1.00	72.00	3984.00	237.00	9296.00	70.04%	29.96%	1704.00	4755.00	3.0%	14051.00	14.38	1.27	15.65	1506.773092	0.1	7.8	0.4	128.5	8.5	D
Initial Production	7/7/19 9:00 AM		5.30	0.51	141	72	1802	46	1.00	73.00	3384.00	213.00	9437.00	66.20%	33.80%	1728.00	4827.00	3.0%	14264.00	14.60	1.29	15.89	1716.903073	0.1	7.9	0.5	109.2	8.5	D
Initial Production	7/7/19 10:00 AM		5.40	0.47	141	71	1797	46	1.00	74.00	3384.00	212.00	9578.00	66.51%	33.49%	1704.00	4898.00	3.0%	14476.00	14.82	1.31	16.14	1735.520095	0.1	8.1	0.5	109.2	8.6	D
Initial Production	7/7/19 11:00 AM		5.40	0.50	131	76	1807	46	1.00	75.00	3144.00	207.00	9709.00	63.29%	36.71%	1824.00	4974.00	3.1%	14683.00	15.05	1.33	16.38	1877.862595	0.1	8.1	0.5	101.4	8.7	D
Initial Production	7/7/19 12:00 PM	Water Weight = 9.6 ppg Oil API = 41.76 @ 60°F H2S = 0 ppm	5.50	0.41	164	64	1797	46	1.00	76.00	3936.00	228.00	9873.00	71.93%	28.07%	1536.00	5038.00	3.1%	14911.00	15.28	1.35	16.63	1500.762195	0.1	8.3	0.4	127.0	8.7	D
Initial Production	7/7/19 1:00 PM		5.30	0.50	143	55	1783	46	1.00	77.00	3432.00	198.00	10016.00	72.22%	27.78%	1320.00	5093.00	3.2%	15109.00	15.50	1.37	16.87	1706.585082	0.1	8.5	0.5	110.7	8.8	D
Initial Production	7/7/19 2:00 PM		5.40	0.45	147	69	1782	46	1.00	78.00	3528.00	216.00	10163.00	68.06%	31.94%	1656.00	5162.00	3.2%	15325.00	15.72	1.39	17.12	1657.312925	0.1	8.6	0.5	113.8	8.8	D
Initial Production	7/7/19 3:00 PM	(3:00) **4 Consecutive hours below .05%**	5.30	0.52	136	76	1778	46	1.00	79.00	3264.00	212.00	10299.00	64.15%	35.85%	1824.00	5238.00	3.3%	15537.00	15.95	1.41	17.36	1783.394608	0.1	8.7	0.5	105.3	8.9	D
Initial Production	7/7/19 4:00 PM	Decrease choke to 44/64" Water Weight = 9.6 ppg Oil API = 42.26 @ 60°F	5.30	0.48	142	60	1831	44	1.00	80.00	3408.00	202.00	10441.00	70.30%	29.70%	1440.00	5298.00	3.3%	15739.00	16.17	1.43	17.60	1696.889671	0.1	8.6	0.5	109.9	8.9	D
Initial Production	7/7/19 5:00 PM	(5:00) Decrease choke to 42/64"	5.20	0.50	145	76	1859	44	1.00	81.00	3480.00	221.00	10586.00	65.61%	34.39%	1824.00	5374.00	3.3%	15960.00	16.38	1.46	17.84	1636.494253	0.1	8.6	0.5	112.3	9.0	D
Initial Production	7/7/19 6:00 PM		4.90	0.50	132	67	1920	42	1.00	82.00	3168.00	199.00	10718.00	66.33%	33.67%	1608.00	5441.00	3.4%	16159.00	16.59	1.48	18.06	1704.545455	0.1	8.4	0.5	102.2	9.1	D
Initial Production	7/7/19 7:00 PM	(7:00) Decrease choke to 40/64"	4.90	0.51	142	62	1919	42	1.00	83.00	3408.00	204.00	10860.00	69.61%	30.39%	1488.00	5503.00	3.4%	16363.00	16.79	1.50	18.29	1587.441315	0.1	8.5	0.5	109.9	9.1	D
Initial Production	7/7/19 8:00 PM	Water Weight = 9.6 ppg Oil API = 41.66 @ 60°F	4.60	0.54	131	61	1897	40	1.00	84.00	3144.00	192.00	10991.00	68.23%	31.77%	1464.00	5564.00	3.5%	16555.00	16.98	1.52	18.50	1634.860051	0.1	8.7	0.5	101.4	9.2	D
Initial Production	7/7/19 9:00 PM	(9:00) Decrease choke to 38/64"	4.50	0.65	141	66	1916	40	1.00	85.00	3384.00	207.00	11132.00	68.12%	31.88%	1584.00	5630.00	3.5%	16762.00	17.17	1.54	18.71	1492.316789	0.1	8.7	0.5	109.2	9.2	D
Initial Production	7/7/19 10:00 PM		4.30	0.57	93	59	1986	36	1.00	86.00	2232.00	152.00	11225.00	61.18%	38.82%	1416.00	5689.00	3.5%	16914.00	17.35	1.57	18.92	2181.899642	0.1	8.5	0.7	72.0	9.3	D
Initial Production	7/7/19 11:00 PM	(11:00) Decrease choke to 36/64"	4.50	0.54	111	58	2046	36	1.00	87.00	2664.00	169.00	11336.00	65.68%	34.32%	1392.00	5747.00	3.6%	17083.00	17.54	1.59	19.13	1891.891892	0.1	8.3	0.5	85.9	9.3	D
Initial Production	7/8/19 12:00 AM	Water Weight = 9.5 ppg Oil API = 41.91 @ 60°F H2S = 0 ppm	4.10	0.58	133	57	2085	36	1.00	88.00	3192.00	190.00	11469.00	70.00%	30.00%	1368.00	5804.00	3.6%	17273.00	17.71	1.61	19.32	1466.165414	0.1	8.3	0.4	103.0	9.4	D
Initial Production	7/8/19 1:00 AM	(1:00) Decrease choke to 34/64"	4.20	0.52	130	58	2090	36	1.00	89.00	3120.00	188.00	11599.00	69.15%	30.85%	1392.00	5862.00	3.6%	17461.00	17.88	1.64	19.52	1912.820513	0.1	8.4	0.4	100.6	9.4	D
Initial Production	7/8/19 2:00 AM	(2:00) Decrease choke to 32/64"	3.90	0.54	85	54	2086	34	1.00	90.00	2040.00	139.00	11684.00	61.15%	38.85%	1296.00	5916.00	3.7%	17600.00	18.05	1.66	19.70	2176.470588	0.1	8.4	0.7	65.8	9.5	D
Initial Production	7/8/19 3:00 AM	(3:00) Decrease choke to 30/64"	3.60	0.55	107	50	2211	32	1.00	91.00	2568.00	157.00	11791.00	68.15%	31.85%	1200.00	5966.00	3.7%	17757.00	18.20	1.68	19.88	1616.043614	0.1	8.0	0.5	82.8	9.5	D
Initial Production	7/8/19 4:00 AM	(3:00) Decrease choke to 28/64 "Water Weight = 9.6 ppg Oil API = 41.81 @ 60°F	3.20	0.49	102	42	2309	30	1.00	92.00	2448.00	144.00	11893.00	70.83%	29.17%	1008.00	6008.00	3.7%	17901.00	18.33	1.70	20.03	1807.352941	0.1	7.8	0.5	79.0	9.6	D
Initial Production	7/8/19 5:00 AM		3.00	0.53	66	44	2564	28	1.00	93.00	1584.00	110.00	11959.00	60.00%	40.00%	1056.00	6052.00	3.8%	18011.00	18.48	1.72	20.20	3859.722222	0.0	7.0	0.6	51.1	9.6	D
Initial Production	7/8/19 6:00 AM		2.60	0.57	65	30	2738	28	1.00	94.00	1560.00	95.00	12024.00	68.42%	31.58%	720.00	6082.00	3.8%	18106.00	18.59	1.75	20.34	2031.410256	0.0	6.6	0.5	50.3	9.7	D
Flowback operations complete	7/8/19 7:00 AM	(7:15) Turned over on a TFMC 28/64" choke to Production 24/64" choke at 2,539 psi(g). Manifold sand sample = 0.01%	2.90	0.59	84	49	2539	28	0.00	95.00	2016.00	133.00	12108.00	63.16%	36.84%	1176.00	6131.00	3.8%	18239.00	18.71	1.77	20.48	1730.15873	0.1	7.2	0.6	85.0	9.7	D

Version 20190404

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY

Company Name	Hess Corporation	
Well Name	BB-EIDE-151-95-3328H-11	
API Number		
Area Work Team	D	
Field	BB	
Formation	TF	
Area (Acres)	1280	
Date on Location	6/27/2019	
Initial Flowback Date	7/8/19 12:00 PM	
Flowback Company	TechnipFMC	
Responsible Contractor	Joshua Turmon	
Phone Contact	701-389-9367	
Initial Shut-in Tubing Pressure (Psi)	3,839	PSI

FRAC JOB SUMMARY

Type Frac Job	Hydraulic Frac	
TOTAL Clean Fluid Pumped	126,511	BBLS
TOTAL Sand Pumped	6,599,791	LBS
Proposed # Stages	31	Stages
Effective # Stages	31	Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
- Flowback Crew / Hess FB Supervisor
- Flowback
- Automatic

Event Phase	Date MM/DD/YY TIME	Remarks	Flared Gas Rate (FB) MMscfd	Sales Gas Rate MMscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psi(g)	Choke Size in (#/64)
	7/11/19 7:40 PM	Report start time	0.00	0.00	0	0	3839	0
Standard Work	7/8/19 7:00 AM	(7:01) TFMC Begin Maintenance: breaking apart 2" 1502 Flowline to replace 2" Gland Gaskets.						
Standard Work	7/8/19 8:00 AM							
Standard Work	7/8/19 9:00 AM	(9:45) TFMC completes flowline maintenace and rig up.						
Standard Work	7/8/19 10:00 AM	(10:00) Arp Testing arrives on location. (10:45) Quale Truck fills 2"1502 lines.						
Standard Work	7/8/19 11:00 AM	(11:15) Arp begins pressure test on high pressure line. (11:30) Pressure Test completed						
Standard Work	7/8/19 12:00 PM	(12:00) Quale Trucking fills in low pressure line. (12:15) Arp testing begins low pressure test. (12:45) Pressure test completed						
Initial Flowback	7/8/19 1:00 PM	(1:00) TFMC open well to flow on a 24/64" choke with an ICP of 3,839 psi(g) to [illegible]. Immediate Gas and Oil to surface					3839	24
Initial Production	7/8/19 1:06 PM	(1:06) Oil to Produciton on a 24/64" choke with a WHP of 2,430 psi(g)					2430	24
Initial Production	7/8/19 2:00 PM		1.40	0.00	59	53	2322	24
Initial Production	7/8/19 3:00 PM	(3:00) Increase choke to 28/64"	1.30	0.44	61	72	2463	24
Initial Production	7/8/19 4:00 PM	Water Weight = 9.9 ppg Oil API = 44.07 @ 60°F	1.70	0.50	75	80	2420	28
Initial Production	7/8/19 5:00 PM	(5:00) Increase choke to 32/64"	1.90	0.32	91	72	2422	28
Initial Production	7/8/19 6:00 PM		1.90	0.33	97	78	2307	32
Initial Production	7/8/19 7:00 PM		2.80	0.25	129	90	2350	32
Initial Production	7/8/19 8:00 PM	Water Weight = 9.8 ppg Oil API = 43.30 @ 60°F	2.90	0.31	86	79	2374	32
Initial Production	7/8/19 9:00 PM	(9:00) Increase choke to 36/64"	2.60	0.69	100	79	2349	32
Initial Production	7/8/19 10:00 PM		3.20	0.37	96	85	2298	36
Initial Production	7/8/19 11:00 PM		3.10	0.49	131	88	2076	36
Initial Production	7/9/19 12:00 AM	Water Weight = 9.9 ppg Oil API = 42.85 @ 60°F H2S = 0 ppm	3.10	0.58	122	74	2030	36
Initial Production	7/9/19 1:00 AM	(1:00) Increase choke to 38/64"	3.10	0.66	120	85	2139	36
Initial Production	7/9/19 2:00 AM		3.00	0.83	130	83	1975	38
Initial Production	7/9/19 3:00 AM	(3:00) Increase choke to 40/64"	3.10	0.71	117	91	1920	38
Initial Production	7/9/19 4:00 AM	Water Weight = 9.8 ppg Oil API = 42.71 @ 60°F	3.70	0.64	124	82	1869	40
Initial Production	7/9/19 5:00 AM	(5:00) Increase choke to 42/64"	3.90	0.49	122	85	1890	40
Initial Production	7/9/19 6:00 AM		3.90	0.44	120	104	1873	42
Initial Production	7/9/19 7:00 AM		3.90	0.43	127	69	1856	42
Initial Production	7/9/19 8:00 AM	Water Weight = 9.8 ppg Oil API = 42.44 @ 60°F	4.10	0.39	133	77	1814	42
Initial Production	7/9/19 9:00 AM		4.10	0.50	86	91	1804	42
Initial Production	7/9/19 10:00 AM	(10:00) Increased choke to 44/64"	4.10	0.46	124	77	1864	42
Initial Production	7/9/19 11:00 AM		4.20	0.43	146	77	1738	44
Initial Production	7/9/19 12:00 PM	Water Weight = 9.8 ppg Oil API = 42.16 @ 60°F H2S = 0 ppm	4.20	0.43	133	82	1720	44
Initial Production	7/9/19 1:00 PM		4.30	0.37	135	94	1779	44
Initial Production	7/9/19 2:00 PM		4.20	0.45	148	83	1781	44
Initial Production	7/9/19 3:00 PM		4.30	0.44	133	88	1756	44
Initial Production	7/9/19 4:00 PM	Water Weight = 9.8 ppg Oil API = 42.98 @ 60°F	4.30	0.43	141	83	1766	44
Initial Production	7/9/19 5:00 PM		4.40	0.41	138	84	1773	44
Initial Production	7/9/19 6:00 PM		4.30	0.41	115	89	1763	44
Initial Production	7/9/19 7:00 PM		4.20	0.42	165	80	1800	44
Initial Production	7/9/19 8:00 PM	Water Weight = 9.8 ppg Oil API = 42.16 @ 60°F	4.30	0.42	136	83	1735	44
Initial Production	7/9/19 9:00 PM		4.20	0.44	138	79	1719	44
Well Shut in	7/9/19 9:56 PM	SIWP = 1,722			146	77	1722	
NPT	7/9/19 9:57 PM	(9:56) Roads are closed due to weather conditions all Frac tanks are full.					1722	
NPT	7/9/19 10:00 PM						1725	
NPT	7/9/19 11:00 PM						3160	
NPT	7/10/19 12:00 AM						3210	
NPT	7/10/19 1:00 AM						3272	
NPT	7/10/19 2:00 AM						3389	
NPT	7/10/19 3:00 AM						3384	
NPT	7/10/19 4:00 AM						3374	
NPT	7/10/19 5:00 AM						3481	
NPT	7/10/19 6:00 AM						3538	
NPT	7/10/19 7:00 AM						3636	
NPT	7/10/19 8:00 AM						3639	
NPT	7/10/19 9:00 AM						3635	
NPT	7/10/19 10:00 AM						3635	
NPT	7/10/19 11:00 AM						3700	
NPT	7/10/19 12:00 PM						3735	
NPT	7/10/19 1:00 PM						3748	
NPT	7/10/19 2:00 PM	(2:00) Road Restrictions lifted. (2:50) Quale Trucking arrives on location to empty tanks for flowback. TFMC will proceed with normal flowback operations once 2 tanks are emptied.					3769	
NPT	7/10/19 3:00 PM	(3:05) Quale Trucking arrives on location to empty tanks for Production. (3:07) Quale Trucking arrives on location to empty tanks for flowback. (2nd Truck)					3782	
NPT	7/10/19 4:00 PM						3798	

Date MM/DD/YY TIME	Duration hrs	Cum Time hrs	Oil Daily bbl/day	Total Fluid bbl/hr	Oil Cum bbl	Oil Cut %	Water Cut %	Water Daily bbl/day	Water Cum bbl	Load Recovery %	Total Liq Cum bbl	Flared Gas Cum MMscf
7/11/19 7:40 PM	0:00	0	0.00	0	0	[illegible]	[illegible]		0	0.0%	0	0.00
7/8/19 7:00 AM	1.00	0.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00
7/8/19 8:00 AM	1.00	1.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00
7/8/19 9:00 AM	1.00	2.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00
7/8/19 10:00 AM	1.00	3.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00
7/8/19 11:00 AM	1.00	4.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00
7/8/19 12:00 PM	1.00	5.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00
7/8/19 1:00 PM	0.06	6.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00
7/8/19 1:06 PM	0.54	6.10	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00
7/8/19 2:00 PM	1.00	7.00	1416.00	112.00	59.00	52.68%	47.32%	1272.00	53.00	0.0%	112.00	0.06
7/8/19 3:00 PM	1.00	8.00	1464.00	133.00	120.00	45.86%	54.14%	1728.00	125.00	0.1%	245.00	0.11
7/8/19 4:00 PM	1.00	9.00	1800.00	155.00	195.00	48.39%	51.61%	1920.00	205.00	0.2%	400.00	0.18
7/8/19 5:00 PM	1.00	10.00	2184.00	163.00	286.00	55.83%	44.17%	1728.00	277.00	0.2%	563.00	0.26
7/8/19 6:00 PM	1.00	11.00	2328.00	175.00	383.00	55.43%	44.57%	1872.00	355.00	0.3%	738.00	0.34
7/8/19 7:00 PM	1.00	12.00	3096.00	219.00	512.00	58.90%	41.10%	2160.00	445.00	0.4%	957.00	0.46
7/8/19 8:00 PM	1.00	13.00	2064.00	165.00	598.00	52.12%	47.88%	1896.00	524.00	0.4%	1122.00	0.58
7/8/19 9:00 PM	1.00	14.00	2400.00	179.00	698.00	55.87%	44.13%	1896.00	603.00	0.5%	1301.00	0.69
7/8/19 10:00 PM	1.00	15.00	2304.00	181.00	794.00	53.04%	46.96%	2040.00	688.00	0.5%	1482.00	0.82
7/8/19 11:00 PM	1.00	16.00	3144.00	219.00	925.00	59.82%	40.18%	2112.00	776.00	0.6%	1701.00	0.95
7/9/19 12:00 AM	1.00	17.00	2928.00	196.00	1047.00	62.24%	37.76%	1776.00	850.00	0.7%	1897.00	1.08
7/9/19 1:00 AM	1.00	18.00	2880.00	205.00	1167.00	58.54%	41.46%	2040.00	935.00	0.7%	2102.00	1.21
7/9/19 2:00 AM	1.00	19.00	3120.00	213.00	1297.00	61.03%	38.97%	1992.00	1018.00	0.8%	2315.00	1.33
7/9/19 3:00 AM	1.00	20.00	2808.00	208.00	1414.00	56.25%	43.75%	2184.00	1109.00	0.9%	2523.00	1.46
7/9/19 4:00 AM	1.00	21.00	2976.00	206.00	1538.00	60.19%	39.81%	1968.00	1191.00	0.9%	2729.00	1.62
7/9/19 5:00 AM	1.00	22.00	2928.00	207.00	1660.00	58.94%	41.06%	2040.00	1276.00	1.0%	2936.00	1.78
7/9/19 6:00 AM	1.00	23.00	2880.00	224.00	1780.00	53.57%	46.43%	2496.00	1380.00	1.1%	3160.00	1.94
7/9/19 7:00 AM	1.00	24.00	3048.00	196.00	1907.00	64.80%	35.20%	1656.00	1449.00	1.1%	3356.00	2.10
7/9/19 8:00 AM	1.00	25.00	3192.00	210.00	2040.00	63.33%	36.67%	1848.00	1526.00	1.2%	3566.00	2.28
7/9/19 9:00 AM	1.00	26.00	2064.00	177.00	2126.00	48.59%	51.41%	2184.00	1617.00	1.3%	3743.00	2.45
7/9/19 10:00 AM	1.00	27.00	2976.00	201.00	2250.00	61.69%	38.31%	1848.00	1694.00	1.3%	3944.00	2.62
7/9/19 11:00 AM	1.00	28.00	3504.00	223.00	2396.00	65.47%	34.53%	1848.00	1771.00	1.4%	4167.00	2.79
7/9/19 12:00 PM	1.00	29.00	3192.00	215.00	2529.00	61.86%	38.14%	1968.00	1853.00	1.5%	4382.00	2.97
7/9/19 1:00 PM	1.00	30.00	3240.00	229.00	2664.00	58.95%	41.05%	2256.00	1947.00	1.5%	4611.00	3.15
7/9/19 2:00 PM	1.00	31.00	3552.00	231.00	2812.00	64.07%	35.93%	1992.00	2030.00	1.6%	4842.00	3.32
7/9/19 3:00 PM	1.00	32.00	3192.00	221.00	2945.00	60.18%	39.82%	2112.00	2118.00	1.7%	5063.00	3.50
7/9/19 4:00 PM	1.00	33.00	3384.00	224.00	3086.00	62.95%	37.05%	1992.00	2201.00	1.7%	5287.00	3.68
7/9/19 5:00 PM	1.00	34.00	3312.00	222.00	3224.00	62.16%	37.84%	2016.00	2285.00	1.8%	5509.00	3.86
7/9/19 6:00 PM	1.00	35.00	2760.00	204.00	3339.00	56.37%	43.63%	2136.00	2374.00	1.9%	5713.00	4.04
7/9/19 7:00 PM	1.00	36.00	3960.00	245.00	3504.00	67.35%	32.65%	1920.00	2454.00	1.9%	5958.00	4.22
7/9/19 8:00 PM	1.00	37.00	3264.00	219.00	3640.00	62.10%	37.90%	1992.00	2537.00	2.0%	6177.00	4.40
7/9/19 9:00 PM	0.56	38.00	3312.00	217.00	3778.00	63.59%	36.41%	1896.00	2616.00	2.1%	6394.00	4.57
7/9/19 9:56 PM	0.01	38.93	3504.00	223.00	3924.00	65.47%	34.53%	1848.00	2693.00	2.1%	6617.00	4.57
7/9/19 9:57 PM	0.03	38.95	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/9/19 10:00 PM	1.00	39.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/9/19 11:00 PM	1.00	40.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/10/19 12:00 AM	1.00	41.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/10/19 1:00 AM	1.00	42.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/10/19 2:00 AM	1.00	43.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/10/19 3:00 AM	1.00	44.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/10/19 4:00 AM	1.00	45.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/10/19 5:00 AM	1.00	46.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/10/19 6:00 AM	1.00	47.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/10/19 7:00 AM	1.00	48.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/10/19 8:00 AM	1.00	49.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/10/19 9:00 AM	1.00	50.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/10/19 10:00 AM	1.00	51.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/10/19 11:00 AM	1.00	52.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/10/19 12:00 PM	1.00	53.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/10/19 1:00 PM	1.00	54.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/10/19 2:00 PM	1.00	55.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/10/19 3:00 PM	1.00	56.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57
7/10/19 4:00 PM	1.00	57.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57

Date MM/DD/YY TIME	Sales Gas Cum MMSCF	Total Gas Cum MMSCF	GOR scf/bbl	BFPH/FTP (bbls/psi)	Cum FTPH/FTP (bbl/psi)	1/PI (psi/bbl)	BO/Stage (bbls/stg)	SQRT (t) (Hours^0.5)	AWT (#)
7/11/19 7:40 PM	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	0.0	D
7/8/19 7:00 AM	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	0.0	D
7/8/19 8:00 AM	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	1.0	D
7/8/19 9:00 AM	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	1.4	D
7/8/19 10:00 AM	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	1.7	D
7/8/19 11:00 AM	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	2.0	D
7/8/19 12:00 PM	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	2.2	D
7/8/19 1:00 PM	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	2.4	D
7/8/19 1:06 PM	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	2.5	D
7/8/19 2:00 PM	0.00	0.06	988.700565	0.0	0.0	1.1	45.7	2.6	D
7/8/19 3:00 PM	0.02	0.13	1167.84153	0.1	0.1	0.9	47.2	2.8	D
7/8/19 4:00 PM	0.04	0.22	1221.111111	0.1	0.2	0.8	58.1	3.0	D
7/8/19 5:00 PM	0.05	0.31	1016.941392	0.1	0.2	0.6	70.5	3.2	D
7/8/19 6:00 PM	0.07	0.41	957.9037801	0.1	0.3	0.7	75.1	3.3	D
7/8/19 7:00 PM	0.06	0.53	985.1421189	0.1	0.4	0.5	99.9	3.5	D
7/8/19 8:00 PM	0.09	0.67	1555.232558	0.1	0.5	0.7	66.6	3.6	D
7/8/19 9:00 PM	0.12	0.81	1370.833333	0.1	0.6	0.6	77.4	3.7	D
7/8/19 10:00 PM	0.13	0.95	1549.479167	0.1	0.6	0.7	74.3	3.9	D
7/8/19 11:00 PM	0.15	1.10	1141.857506	0.1	0.8	0.6	101.4	4.0	D
7/9/19 12:00 AM	0.18	1.26	1256.830601	0.1	0.9	0.6	94.5	4.1	D
7/9/19 1:00 AM	0.21	1.41	1305.555556	0.1	1.0	0.6	92.9	4.2	D
7/9/19 2:00 AM	0.24	1.57	1227.564103	0.1	1.2	0.6	100.6	4.4	D
7/9/19 3:00 AM	0.27	1.73	1366.837607	0.1	1.3	0.7	90.6	4.5	D
7/9/19 4:00 AM	0.30	1.91	1458.333333	0.1	1.5	0.7	96.0	4.6	D
7/9/19 5:00 AM	0.32	2.10	1499.31694	0.1	1.6	0.7	94.5	4.7	D
7/9/19 6:00 AM	0.34	2.28	1507.291667	0.1	1.7	0.7	92.9	4.8	D
7/9/19 7:00 AM	0.36	2.46	1420.603675	0.1	1.8	0.7	98.3	4.9	D
7/9/19 8:00 AM	0.37	2.64	1406.954887	0.1	2.0	0.6	103.0	5.0	D
7/9/19 9:00 AM	0.39	2.84	2227.713178	0.1	2.1	1.0	66.6	5.1	D
7/9/19 10:00 AM	0.41	3.03	1531.922043	0.1	2.1	0.7	96.0	5.2	D
7/9/19 11:00 AM	0.43	3.22	1320.205479	0.1	2.4	0.6	113.0	5.3	D
7/9/19 12:00 PM	0.44	3.41	1446.934837	0.1	2.5	0.7	103.0	5.4	D
7/9/19 1:00 PM	0.46	3.61	1441.975309	0.1	2.6	0.6	104.5	5.5	D
7/9/19 2:00 PM	0.48	3.80	1307.713964	0.1	2.7	0.6	114.6	5.6	D
7/9/19 3:00 PM	0.50	4.00	1483.39599	0.1	2.9	0.7	103.0	5.7	D
7/9/19 4:00 PM	0.52	4.19	1397.754137	0.1	3.0	0.6	109.2	5.7	D
7/9/19 5:00 PM	0.53	4.39	1452.294686	0.1	3.1	0.6	106.8	5.8	D
7/9/19 6:00 PM	0.55	4.59	1706.521739	0.1	3.2	0.6	89.0	5.9	D
7/9/19 7:00 PM	0.57	4.78	1166.666667	0.1	3.3	0.5	127.7	6.0	D
7/9/19 8:00 PM	0.58	4.98	1446.078431	0.1	3.6	0.6	105.3	6.1	D
7/9/19 9:00 PM	0.60	5.17	1400.966184	0.1	3.7	0.6	106.8	6.2	D
7/9/19 9:56 PM	0.60	5.17	0	0.1	3.8	0.6	113.0	6.2	D
7/9/19 9:57 PM	0.60	5.17	[illegible]	0.0	3.8	[illegible]	0.0	6.2	D
7/9/19 10:00 PM	0.60	5.17	[illegible]	0.0	3.8	[illegible]	0.0	6.2	D
7/9/19 11:00 PM	0.60	5.17	[illegible]	0.0	2.1	[illegible]	0.0	6.3	D
7/10/19 12:00 AM	0.60	5.17	[illegible]	0.0	2.1	[illegible]	0.0	6.4	D
7/10/19 1:00 AM	0.60	5.17	[illegible]	0.0	2.0	[illegible]	0.0	6.5	D
7/10/19 2:00 AM	0.60	5.17	[illegible]	0.0	2.0	[illegible]	0.0	6.6	D
7/10/19 3:00 AM	0.60	5.17	[illegible]	0.0	1.9	[illegible]	0.0	6.6	D
7/10/19 4:00 AM	0.60	5.17	[illegible]	0.0	2.0	[illegible]	0.0	6.7	D
7/10/19 5:00 AM	0.60	5.17	[illegible]	0.0	1.9	[illegible]	0.0	6.8	D
7/10/19 6:00 AM	0.60	5.17	[illegible]	0.0	1.9	[illegible]	0.0	6.9	D
7/10/19 7:00 AM	0.60	5.17	[illegible]	0.0	1.8	[illegible]	0.0	6.9	D
7/10/19 8:00 AM	0.60	5.17	[illegible]	0.0	1.8	[illegible]	0.0	7.0	D
7/10/19 9:00 AM	0.60	5.17	[illegible]	0.0	1.8	[illegible]	0.0	7.1	D
7/10/19 10:00 AM	0.60	5.17	[illegible]	0.0	1.8	[illegible]	0.0	7.1	D
7/10/19 11:00 AM	0.60	5.17	[illegible]	0.0	1.8	[illegible]	0.0	7.2	D
7/10/19 12:00 PM	0.60	5.17	[illegible]	0.0	1.8	[illegible]	0.0	7.3	D
7/10/19 1:00 PM	0.60	5.17	[illegible]	0.0	1.8	[illegible]	0.0	7.3	D
7/10/19 2:00 PM	0.60	5.17	[illegible]	0.0	1.8	[illegible]	0.0	7.4	D
7/10/19 3:00 PM	0.60	5.17	[illegible]	0.0	1.7	[illegible]	0.0	7.5	D
7/10/19 4:00 PM	0.60	5.17	[illegible]	0.0	1.7	[illegible]	0.0	7.5	D

NPT	7/10/19 5:00 PM						3798		0.35	58.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57	0.60	5.17	[illegible]	0.0	1.7	[illegible]	0.0	7.8	D
Initial Flowback	7/10/19 5:35 PM	(5:35) TFMC Open well to flow on a 44/64" choke with a WHP of 3,798 psi(g) to HB0086. Immediate Gas to Surface					3798	44	0.10	58.58	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57	0.60	5.17	[illegible]	0.0	1.7	[illegible]	0.0	7.7	D
Initial Production	7/10/19 5:45 PM	(5:45) Oil to Production on a 44/64" choke with a WHP of 1,747 psi(g).					1747	44	0.15	58.75	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.57	0.60	5.17	[illegible]	0.0	3.8	[illegible]	0.0	7.7	D
Initial Production	7/10/19 6:00 PM		4.70	1.11	0	0	1357	44	1.00	59.00	0.00	0.00	3924.00	[illegible]	[illegible]	0.00	2693.00	2.1%	6617.00	4.77	0.65	5.42	[illegible]	0.0	4.9	[illegible]	0.0	7.7	D
Initial Production	7/10/19 7:00 PM	(7:00) Decrease choke to 42/64"	3.90	1.17	153	82	1658	44	1.00	60.00	3672.00	235.00	4077.00	65.11%	34.89%	1968.00	2775.00	2.2%	6852.00	4.93	0.70	5.63	1380.718954	0.1	4.1	0.6	118.5	7.7	D
Initial Production	7/10/19 8:00 PM	Water Weight = 9.8 ppg Oil API = 42.44 @ 60°F	4.10	1.10	160	89	1806	42	1.00	61.00	3840.00	249.00	4237.00	64.26%	35.74%	2136.00	2864.00	2.3%	7101.00	5.10	0.74	5.84	1354.166667	0.1	3.9	0.5	128.9	7.8	D
Initial Production	7/10/19 9:00 PM	(9:00) Decrease choke to 40/64"	4.10	1.10	135	90	1825	42	1.00	62.00	3240.00	225.00	4372.00	60.00%	40.00%	2160.00	2954.00	2.3%	7326.00	5.27	0.79	6.06	1604.938272	0.1	4.0	0.6	104.5	7.9	D
Initial Production	7/10/19 10:00 PM		4.30	1.00	119	97	1893	40	1.00	63.00	2856.00	216.00	4491.00	55.09%	44.91%	2328.00	3051.00	2.4%	7542.00	5.45	0.83	6.28	1655.742297	0.1	4.0	0.7	92.1	7.9	D
Initial Production	7/10/19 11:00 PM	(11:00) Decrease choke to 38/64"	4.40	1.00	120	76	1899	40	1.00	64.00	2880.00	196.00	4611.00	61.22%	38.78%	1824.00	3127.00	2.5%	7738.00	5.63	0.87	6.51	1875	0.1	4.1	0.7	92.9	8.0	D
Initial Production	7/11/19 12:00 AM	Water Weight = 9.8 ppg Oil API = 42.21 @ 60°F H_2S = 0 ppm	4.30	0.96	111	80	1936	38	1.00	65.00	2664.00	191.00	4722.00	58.12%	41.88%	1920.00	3207.00	2.5%	7929.00	5.81	0.91	6.73	1974.474474	0.1	4.1	0.7	85.9	8.1	D
Initial Production	7/11/19 1:00 AM	(1:00) Decrease choke to 36/64"	3.50	0.86	98	112	1899	38	1.00	66.00	2352.00	210.00	4820.00	46.67%	53.33%	2688.00	3319.00	2.6%	8139.00	5.96	0.95	6.91	1853.741497	0.1	4.3	0.8	75.9	8.1	D
Initial Production	7/11/19 2:00 AM		3.60	0.85	104	86	2145	36	1.00	67.00	2496.00	190.00	4924.00	54.74%	45.26%	2064.00	3405.00	2.7%	8329.00	6.11	0.98	7.08	1702.724359	0.1	3.9	0.7	80.5	8.2	D
Initial Production	7/11/19 3:00 AM	(3:00) Decrease choke to 32/64"	3.70	0.51	79	79	2024	36	1.00	68.00	1896.00	158.00	5003.00	50.00%	50.00%	1896.00	3484.00	2.8%	8487.00	6.26	1.00	7.26	2220.464135	0.1	4.2	1.0	61.2	8.2	D
Initial Production	7/11/19 4:00 AM	Water Weight = 9.8 ppg Oil API = 42.21 @ 60°F	3.30	0.33	82	70	2036	32	1.00	69.00	2208.00	162.00	5085.00	56.79%	43.21%	1680.00	3554.00	2.8%	8649.00	6.40	1.01	7.41	1639.402754	0.1	4.2	0.8	71.2	8.3	D
Initial Production	7/11/19 5:00 AM	(5:00) Decrease choke to 28/64"	3.30	0.33	68	68	2258	32	1.00	70.00	1632.00	136.00	5163.00	50.00%	50.00%	1632.00	3622.00	2.9%	8785.00	6.54	1.02	7.56	2224.264706	0.1	3.9	1.0	52.6	8.4	D
Initial Production	7/11/19 6:00 AM		2.50	0.45	68	46	2588	28	1.00	71.00	1632.00	114.00	5231.00	59.65%	40.35%	1104.00	3668.00	2.9%	8899.00	6.64	1.04	7.68	1807.598039	0.0	3.4	0.8	52.6	8.4	D
Initial Production	7/11/19 7:00 AM		2.50	0.40	74	56	2587	28	1.00	72.00	1776.00	130.00	5305.00	56.92%	43.08%	1344.00	3724.00	2.9%	9029.00	6.75	1.06	7.80	1631.756757	0.1	3.5	0.7	57.3	8.5	D
Initial Production	7/11/19 8:00 AM	Water Weight = 9.8 ppg Oil API = 43.12	2.60	0.30	58	53	2575	28	1.00	73.00	1344.00	109.00	5361.00	51.38%	48.62%	1272.00	3777.00	3.0%	9138.00	6.85	1.07	7.93	2158.25	0.0	3.5	0.9	43.4	8.5	D
Initial Production	7/11/19 9:00 AM		2.60	0.24	62	50	2569	28	1.00	74.00	1488.00	121.00	5423.00	51.24%	48.76%	1416.00	3836.00	3.0%	9259.00	6.96	1.08	8.04	1907.930108	0.0	3.6	0.9	48.0	8.6	D
Initial Production	7/11/19 10:00 AM		2.50	0.22	52	54	2566	28	1.00	75.00	1248.00	106.00	5475.00	49.06%	50.94%	1296.00	3890.00	3.1%	9365.00	7.07	1.09	8.16	2175.480769	0.0	3.6	1.0	40.3	8.7	D
Initial Production	7/11/19 11:00 AM		2.60	0.24	67	56	2571	28	1.00	76.00	1608.00	123.00	5542.00	54.47%	45.53%	1344.00	3946.00	3.1%	9488.00	7.17	1.10	8.27	1703.9801	0.0	3.7	0.8	51.9	8.7	D
Initial Production	7/11/19 12:00 PM	Water Weight = 9.8 ppg Oil API = 42.54 @ 60°F H_2S = 0 ppm	2.00	0.58	72	56	2565	28	1.00	77.00	1728.00	128.00	5614.00	56.25%	43.75%	1344.00	4002.00	3.2%	9616.00	7.25	1.12	8.38	1493.055556	0.0	3.7	0.7	55.7	8.8	D
Initial Production	7/11/19 1:00 PM		2.20	0.55	40	57	2546	28	1.00	78.00	960.00	97.00	5654.00	41.24%	58.76%	1368.00	4059.00	3.2%	9713.00	7.36	1.15	8.49	2861.458333	0.0	3.8	1.3	31.0	8.8	D
Initial Production	7/11/19 2:00 PM		2.20	0.55	66	58	2551	28	1.00	79.00	1584.00	124.00	5720.00	53.23%	46.77%	1392.00	4117.00	3.3%	9837.00	7.44	1.17	8.61	1737.373737	0.0	3.9	0.8	51.1	8.9	D
Initial Production	7/11/19 3:00 PM		2.20	0.53	66	60	2519	28	1.00	80.00	1584.00	126.00	5786.00	52.38%	47.62%	1440.00	4177.00	3.3%	9963.00	7.53	1.19	8.72	1724.747475	0.1	4.0	0.8	51.1	8.9	D
Initial Production	7/11/19 4:00 PM	Water Weight = 9.8 ppg Oil API = @ 60°F	2.20	0.44	64	58	2532	28	1.00	81.00	1536.00	122.00	5850.00	52.46%	47.54%	1392.00	4235.00	3.3%	10085.00	7.62	1.21	8.83	1719.401042	0.0	4.0	0.9	49.5	9.0	D
Initial Production	7/11/19 5:00 PM		2.20	0.57	81	56	2549	28	1.00	82.00	1944.00	137.00	5931.00	59.12%	40.88%	1344.00	4291.00	3.4%	10222.00	7.71	1.23	8.95	1428.440329	0.1	4.0	0.7	62.7	9.1	D
Initial Production	7/11/19 6:00 PM		2.10	0.70	62	50	2539	28	1.00	83.00	1488.00	112.00	5993.00	55.36%	44.64%	1200.00	4341.00	3.4%	10334.00	7.80	1.26	9.06	1881.72043	0.0	4.1	0.9	48.0	9.1	D
Initial Production	7/11/19 7:00 PM		2.20	0.56	75	74	2519	28	1.00	84.00	1800.00	149.00	6068.00	50.34%	49.66%	1776.00	4415.00	3.5%	10483.00	7.89	1.29	9.18	1533.333333	0.1	4.2	0.7	58.1	9.2	D
Initial Production	7/11/19 8:00 PM	Decreased choke to 26/64" Water Weight = 9.8 ppg Oil API = 42.06 @ 60°F	2.20	0.53	99	56	2519	28	1.00	85.00	2376.00	155.00	6167.00	63.87%	36.13%	1344.00	4471.00	3.5%	10638.00	7.98	1.31	9.29	1148.989899	0.1	4.2	0.6	76.6	9.2	D
Initial Production	7/11/19 9:00 PM		2.20	0.48	71	54	2600	26	1.00	86.00	1704.00	125.00	6238.00	56.80%	43.20%	1296.00	4525.00	3.6%	10763.00	8.06	1.33	9.40	1572.769953	0.0	4.1	0.7	55.0	9.3	D
Initial Production	7/11/19 10:00 PM		2.10	0.45	54	54	2606	26	1.00	87.00	1296.00	108.00	6292.00	50.00%	50.00%	1296.00	4579.00	3.6%	10871.00	8.16	1.35	9.51	1967.592593	0.0	4.2	1.0	41.8	9.3	D
Initial Production	7/11/19 11:00 PM		2.30	0.39	59	62	2620	26	1.00	88.00	1416.00	111.00	6351.00	53.15%	46.85%	1248.00	4631.00	3.7%	10982.00	8.26	1.36	9.62	1899.717514	0.0	4.2	0.9	45.7	9.4	D
Initial Production	7/12/19 12:00 AM	Water Weight = 9.8 ppg Oil API = 42.51 @ 60°F H_2S = 0 ppm	2.20	0.41	77	45	2591	26	1.00	89.00	1848.00	122.00	6428.00	63.11%	36.89%	1080.00	4676.00	3.7%	11104.00	8.35	1.38	9.73	1412.337662	0.0	4.3	0.7	59.6	9.4	D
Initial Production	7/12/19 1:00 AM		2.20	0.38	55	49	2612	26	1.00	90.00	1320.00	104.00	6483.00	52.88%	47.12%	1176.00	4725.00	3.7%	11208.00	8.44	1.40	9.84	1954.545455	0.0	4.3	0.9	42.6	9.5	D
Initial Production	7/12/19 2:00 AM		2.10	0.39	68	50	2592	26	1.00	91.00	1632.00	118.00	6551.00	57.63%	42.37%	1200.00	4775.00	3.8%	11326.00	8.53	1.41	9.94	1525.735294	0.0	4.4	0.8	52.6	9.5	D
Initial Production	7/12/19 3:00 AM		2.10	0.37	55	53	2586	26	1.00	92.00	1320.00	108.00	6606.00	50.93%	49.07%	1272.00	4828.00	3.8%	11434.00	8.62	1.43	10.05	1871.212121	0.0	4.4	0.9	42.6	9.6	D
Initial Production	7/12/19 4:00 AM	Water Weight = 9.8 ppg Oil API = 42.74 @ 60°F	2.10	0.37	55	56	2596	26	1.00	93.00	1320.00	110.00	6661.00	50.00%	50.00%	1320.00	4883.00	3.9%	11544.00	8.70	1.44	10.15	1871.212121	0.0	4.4	0.9	42.6	9.6	D
Initial Production	7/12/19 5:00 AM		2.10	0.38	79	51	2593	26	1.00	94.00	1896.00	130.00	6740.00	60.77%	39.23%	1224.00	4934.00	3.9%	11674.00	8.79	1.46	10.25	1306.370747	0.1	4.5	0.7	61.2	9.7	D
Initial Production	7/12/19 6:00 AM		2.00	0.43	61	57	2593	26	1.00	95.00	1464.00	118.00	6801.00	51.69%	48.31%	1368.00	4991.00	3.9%	11792.00	8.88	1.48	10.35	1657.103825	0.0	4.5	0.8	47.2	9.7	D
Initial Production	7/12/19 7:00 AM		1.90	0.50	79	52	2587	26	0.40	96.00	1896.00	131.00	6880.00	60.31%	39.69%	1248.00	5043.00	4.0%	11923.00	8.95	1.50	10.45	1267.405063	0.1	4.6	0.7	61.2	9.8	D
Flowback operations complete	7/12/19 7:40 AM	(7:40) Turned over on a TFMC 26/64" choke to Production 24/64" choke at 2,576 psi(g). Manifold sand sample = 0.01%			45	40	2576	26	0.00	96.67	1080.00	85.00	6925.00	52.94%	47.06%	960.00	5083.00	4.0%	12008.00	8.95	1.50	10.45	0	0.0	4.7	1.2	34.8	9.8	D

Version 20190404

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY

Company Name	Hess Corporation
Well Name	BB-EIDE-151-95-3328H-12
API Number	
Area Work Team	D
Field	BB
Formation	MB
Area (Acres)	1280
Date on Location	6/27/2019
Initial Flowback Date	7/12/19 12:00 PM
Flowback Company	TechnipFMC
Responsible Contractor	Joshua Turmon
Phone Contact	701-369-9367
Initial Shutin Tubing Pressure (Psi)	3,660 PSI

FRAC JOB SUMMARY

Type Frac Job	Hydraulic Frac	
TOTAL Clear Fluid Pumped	98,477	BBLS
TOTAL Sand Pumped	6,060,520	LBS
Proposed # Stages	31	Stages
Effective # Stages	16	Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
Flowback Crew / Hess FB Supervisor
Flowback
Automatic

Event Phase	Date MM/DD/YY TIME	Remarks	Flared Gas Rate (FB) MMscfd	Sales Gas Rate Mmscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psi(g)	Choke Size in (8 /64)	Duration hrs	Cum Time hrs	Oil Daily bbl/day	Total Fluid bbl/hr	Oil Cum bbl	Oil Cut %	Water Cut %	Water Daily bbl/day	Water Cum bbl	Load Recovery %	Total Liq Cum bbl	Flared Gas Cum Mmscf	Sales Gas Cum MMSCF	Total Gas Cum MMSCF	GOR scf/bbl	BFPH/FTP (bbl/psi)	Cum FTPH/FTP (bbl/psi)	I/PI (psi/bbl)	BO/Stage (bbl/stg)
	7/15/19 7:25 PM	Report start time	0.00	0.00	0	0	3689	0	0.00	0	0.00	0	0				0	0.0%	0	0.00	0.00	0.00		0.0	0.0		0.0
Standard Work	7/12/19 7:00 AM	(7:41) Begin Depressurizing Vessel and high pressure lines for Radiation survey and RDMO to H12. (7:50) Quale trucking empties high pressure line and desander.					3689		1.00	0.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0
Standard Work	7/12/19 8:00 AM	(8:30) Both Hatches open ready for survey. (8:45) Quale floods flowline and desander for Pressure Test					3688		1.00	1.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0
Standard Work	7/12/19 9:00 AM	(9:15) Radiation Pros arrive on location and begins surveying Tank and Vessel. (9:45) Survey complete. No Radiation present.					3689		1.00	2.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0
Standard Work	7/12/19 10:00 AM	(10:15) Arp arrives on location. (10:50) TFMC completes RDMO and switching of blowdown tanks. Quale trucking floods low pressure line.					3665		1.00	3.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0
Standard Work	7/12/19 11:00 AM	(11:00) Arp Testing begins pressure test on High Pressure line.					3663		1.00	4.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0
Standard Work	7/12/19 12:00 PM	(12:00) High Pressure test complete. (12:10) Arp begins low pressure test. (12:15) TFMC complete manway hatches. (12:30) Low Pressure test completed.					3660		1.00	5.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0
Initial Flowback	7/12/19 1:00 PM	(1:00) TFMC open well up to flow on a 24/64" choke with an IOP of 3,660 psi(g) to MS0088. Immediate Gas to Surface. (1:03) TFMC begins purging vessel.					3660	24	0.20	6.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0
Initial Production	7/12/19 1:20 PM	(1:20) Oil to Production on a 24/64" choke with a WHP of 2,229 psi(g).					2229	24	0.40	6.33	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0
Initial Production	7/12/19 2:00 PM		1.60	0.00	93	0	2487	24	1.00	7.00	2232.00	93.00	93.00	100.00%	0.00%	0.00	0.00	0.0%	93.00	0.07	0.00	0.07	716.8458781	0.0	0.0	0.5	139.5
Initial Production	7/12/19 3:00 PM	(3:00) Increase choke to a 28/64" Water Weight = 9.6 ppg Oil API = @ 60°F	2.10	0.00	103	53	2671	24	1.00	8.00	2472.00	156.00	196.00	66.03%	33.97%	1272.00	53.00	0.1%	249.00	0.15	0.00	0.15	949.5145631	0.1	0.1	0.4	154.5
Initial Production	7/12/19 4:00 PM		2.60	0.00	99	49	2582	28	1.00	9.00	2376.00	148.00	295.00	66.89%	33.11%	1176.00	102.00	0.1%	397.00	0.26	0.00	0.26	1094.276094	0.1	0.2	0.5	148.5
Initial Production	7/12/19 5:00 PM	(5:00) Increase choke to 32/64"	3.30	0.00	113	56	2571	28	1.00	10.00	2712.00	169.00	469.00	66.89%	33.14%	1344.00	158.00	0.2%	566.00	0.40	0.00	0.40	1216.814159	0.1	0.2	0.4	169.5
Initial Production	7/12/19 6:00 PM		3.80	0.00	143	47	2408	32	1.00	11.00	3432.00	190.00	659.00	75.26%	24.74%	1128.00	205.00	0.2%	756.00	0.55	0.00	0.55	1049.951049	0.1	0.3	0.4	214.5
Initial Production	7/12/19 7:00 PM	(7:00) Increase choke to 36/64" Water Weight = 9.7 ppg Oil API 42.90 = @ 60°F	3.80	0.00	133	55	2423	32	1.00	12.00	3192.00	188.00	684.00	70.74%	29.26%	1320.00	260.00	0.3%	944.00	0.71	0.00	0.71	1190.47619	0.1	0.4	0.4	199.5
Initial Production	7/12/19 8:00 PM		1.50	0.00	55	36	2057	36	1.00	13.00	1326.00	91.00	739.00	60.44%	39.56%	864.00	296.00	0.3%	1035.00	0.77	0.00	0.77	1136.363636	0.0	0.5	1.2	82.5
Initial Production	7/12/19 9:00 PM	(9:00) Increase choke to 38/64"	4.80	0.00	137	50	2086	36	1.00	14.00	3288.00	187.00	876.00	73.26%	26.74%	1200.00	346.00	0.4%	1222.00	0.97	0.00	0.97	1459.854015	0.1	0.6	0.5	205.5
Initial Production	7/12/19 10:00 PM		4.80	0.00	150	76	2060	38	1.00	15.00	3600.00	226.00	1026.00	66.37%	33.63%	1824.00	422.00	0.4%	1448.00	1.17	0.00	1.17	1333.333333	0.1	0.7	0.4	225.0
Initial Production	7/12/19 11:00 PM		4.80	0.00	110	66	2035	36	1.00	16.00	2640.00	176.00	1136.00	62.50%	37.50%	1584.00	488.00	0.5%	1624.00	1.37	0.00	1.37	1818.181818	0.1	0.8	0.6	165.0
Initial Production	7/13/19 12:00 AM	(12:00) Increase choke to 40/64" Water Weight = 9.7 ppg Oil API = 42.21 @ 60°F H2S = 0 ppm	4.70	0.00	149	60	2058	38	1.00	17.00	3576.00	209.00	1285.00	71.29%	28.71%	1440.00	548.00	0.6%	1833.00	1.57	0.00	1.57	1314.317673	0.1	0.9	0.5	223.5
Initial Production	7/13/19 1:00 AM		4.80	0.00	133	71	2010	40	1.00	18.00	3192.00	204.00	1418.00	65.20%	34.80%	1704.00	619.00	0.6%	2037.00	1.77	0.00	1.77	1503.758098	0.1	1.0	0.5	199.5
Initial Production	7/13/19 2:00 AM	(2:00) Increase choke to 42/64"	4.60	0.00	133	61	1991	40	1.00	19.00	3192.00	194.00	1551.00	68.56%	31.44%	1464.00	680.00	0.7%	2231.00	1.96	0.00	1.96	1441.102757	0.1	1.1	0.5	199.5
Initial Production	7/13/19 3:00 AM		5.50	0.00	162	71	1942	42	1.00	20.00	3888.00	233.00	1713.00	69.53%	30.47%	1704.00	751.00	0.8%	2464.00	2.19	0.00	2.19	1414.609053	0.1	1.3	0.4	243.0
Initial Production	7/13/19 4:00 AM	Water Weight = 9.7 ppg Oil API = 41.88 @ 60°F	5.30	0.00	121	69	1926	42	1.00	21.00	2904.00	190.00	1854.00	63.68%	36.32%	1056.00	820.00	0.8%	2674.00	2.41	0.00	2.41	1825.068871	0.1	1.4	0.6	181.5
Initial Production	7/13/19 5:00 AM		5.30	0.00	150	75	1870	42	1.00	22.00	3600.00	225.00	1964.00	66.67%	33.33%	1800.00	895.00	0.9%	2879.00	2.63	0.00	2.63	1472.222222	0.1	1.5	0.5	225.0
Initial Production	7/13/19 6:00 AM		5.20	0.00	90	31	1916	42	1.00	23.00	2160.00	121.00	2074.00	74.38%	25.62%	744.00	926.00	0.9%	3000.00	2.85	0.00	2.85	2407.407407	0.1	1.8	0.8	135.0
Initial Production	7/13/19 7:00 AM	(7:00) Increase choke to 44/64"	3.70	0.00	110	93	1982	42	1.00	24.00	2640.00	203.00	2184.00	54.19%	45.81%	2232.00	1018.00	1.0%	3203.00	3.00	0.00	3.00	1401.515152	0.1	1.7	0.7	165.0
Initial Production	7/13/19 8:00 AM	Water Weight = 9.6 ppg Oil API = 42.65 @ 60°F	5.20	0.00	123	95	1770	44	1.00	25.00	2952.00	218.00	2307.00	56.42%	43.58%	2280.00	1114.00	1.1%	3421.00	3.22	0.00	3.22	1781.537015	0.1	1.9	0.6	184.5
Initial Production	7/13/19 9:00 AM		4.90	0.00	136	68	1680	44	1.00	26.00	3264.00	204.00	2443.00	66.67%	33.33%	1632.00	1182.00	1.2%	3625.00	3.42	0.00	3.42	1501.22549	0.1	2.2	0.6	204.0
Initial Production	7/13/19 10:00 AM	(10:00) Increase choke to 46/64"	5.30	0.00	112	76	1834	44	1.00	27.00	2688.00	188.00	2555.00	58.57%	40.43%	1824.00	1258.00	1.3%	3813.00	3.64	0.00	3.64	1971.72619	0.1	2.1	0.7	168.0
Initial Production	7/13/19 11:00 AM		5.30	0.00	119	75	1816	48	1.00	28.00	2856.00	194.00	2674.00	61.34%	38.66%	1800.00	1333.00	1.4%	4007.00	3.86	0.00	3.86	1855.742297	0.1	2.5	0.7	178.5
Initial Production	7/13/19 12:00 PM	Water Weight = 9.6 ppg Oil API = 42.65 @ 60°F	5.50	0.00	138	90	1748	46	1.00	29.00	3264.00	228.00	2810.00	60.18%	39.82%	2160.00	1423.00	1.4%	4233.00	4.09	0.00	4.09	1685.04902	0.1	2.4	0.6	204.0
Initial Production	7/13/19 1:00 PM		5.60	0.00	124	83	1762	48	1.00	30.00	2976.00	207.00	2904.00	59.90%	40.10%	1992.00	1506.00	1.5%	4440.00	4.33	0.00	4.33	1881.72043	0.1	2.5	0.6	186.0
Initial Production	7/13/19 2:00 PM		5.60	0.00	102	81	1767	48	1.00	31.00	2448.00	183.00	3036.00	55.74%	44.26%	1944.00	1587.00	1.6%	4623.00	4.56	0.00	4.56	2267.581699	0.1	2.6	0.8	153.0
Initial Production	7/13/19 3:00 PM	(3:00) Increase choke to 48/64" Water Weight = 9.6 ppg Oil API = 42.64 @ 60°F	5.60	0.00	99	90	1737	48	1.00	32.00	2376.00	189.00	3135.00	52.39%	47.62%	2160.00	1677.00	1.7%	4812.00	4.79	0.00	4.79	2356.902357	0.1	2.8	0.8	148.5
Initial Production	7/13/19 4:00 PM		5.70	0.00	101	91	1662	48	1.00	33.00	2424.00	192.00	3236.00	52.60%	47.40%	2184.00	1768.00	1.8%	5004.00	5.03	0.00	5.03	2351.485149	0.1	3.0	0.8	151.5
Initial Production	7/13/19 5:00 PM		5.80	0.00	102	80	1658	48	1.00	34.00	2448.00	182.00	3338.00	56.04%	43.96%	1920.00	1848.00	1.9%	5186.00	5.27	0.00	5.27	2369.281046	0.1	3.1	0.8	153.0
Initial Production	7/13/19 6:00 PM		5.80	0.00	100	82	1668	48	1.00	35.00	2400.00	182.00	3438.00	61.73%	38.27%	1485.00	1910.00	1.9%	5348.00	5.51	0.00	5.51	2416.666667	0.1	3.2	0.8	150.0
Initial Production	7/13/19 7:00 PM		5.80	0.00	102	103	1630	48	1.00	36.00	2448.00	205.00	3540.00	49.76%	50.24%	2472.00	2013.00	2.0%	5553.00	5.75	0.00	5.75	2267.581699	0.1	3.4	0.8	153.0
Initial Production	7/13/19 8:00 PM	Water Weight = 9.6 ppg Oil API = 41.81 @ 60°F	5.80	0.00	100	85	1657	48	1.00	37.00	2400.00	185.00	3640.00	54.05%	45.95%	2040.00	2098.00	2.1%	5738.00	5.99	0.00	5.99	2416.666667	0.1	3.5	0.8	150.0
Initial Production	7/13/19 9:00 PM		5.80	0.00	98	84	1602	48	1.00	38.00	2352.00	182.00	3738.00	53.85%	46.15%	2016.00	2182.00	2.2%	5920.00	6.22	0.00	6.22	2350.952381	0.1	3.7	0.9	147.0
Initial Production	7/13/19 10:00 PM		5.80	0.00	102	79	1650	48	1.00	39.00	2448.00	181.00	3840.00	56.35%	43.65%	1896.00	2261.00	2.3%	6101.00	6.46	0.00	6.46	2369.281046	0.1	3.7	0.8	153.0
Initial Production	7/13/19 11:00 PM		5.80	0.00	97	78	1644	48	1.00	40.00	2328.00	175.00	3937.00	55.43%	44.57%	1872.00	2339.00	2.4%	6276.00	6.70	0.00	6.70	2491.408935	0.1	3.8	0.9	145.5
Initial Production	7/14/19 12:00 AM	Water Weight = 9.6 ppg Oil API = 41.66 @ 60°F H2S = 0 ppm	5.80	0.00	100	89	1650	48	1.00	41.00	2400.00	189.00	4037.00	52.91%	47.09%	2136.00	2428.00	2.5%	6485.00	6.95	0.00	6.95	2416.666667	0.1	3.9	0.8	150.0
Initial Production	7/14/19 1:00 AM		5.80	0.00	97	70	1647	48	1.00	42.00	2328.00	167.00	4134.00	58.08%	41.92%	1680.00	2498.00	2.6%	6632.00	7.19	0.00	7.19	2491.408935	0.1	4.0	0.9	145.5
Initial Production	7/14/19 2:00 AM		5.70	0.00	100	82	1661	48	1.00	43.00	2400.00	182.00	4234.00	54.95%	45.05%	1968.00	2580.00	2.6%	6814.00	7.43	0.00	7.43	2375	0.1	4.1	0.8	150.0
Initial Production	7/14/19 3:00 AM		5.80	0.00	99	71	1641	48	1.00	44.00	2376.00	170.00	4333.00	58.24%	41.76%	1704.00	2651.00	2.7%	6984.00	7.67	0.00	7.67	2441.077441	0.1	4.3	0.9	148.5
Initial Production	7/14/19 4:00 AM	Water Weight = 9.6 ppg Oil API = 41.76 @ 60°F	5.70	0.00	99	78	1635	48	1.00	45.00	2376.00	177.00	4432.00	55.93%	44.07%	1872.00	2729.00	2.8%	7161.00	7.90	0.00	7.90	2398.989899	0.1	4.4	0.9	148.5
Initial Production	7/14/19 5:00 AM		5.80	0.00	100	85	1629	48	1.00	46.00	2400.00	185.00	4532.00	54.05%	45.95%	2040.00	2814.00	2.9%	7346.00	8.15	0.00	8.15	2416.666667	0.1	4.5	0.8	150.0
Initial Production	7/14/19 6:00 AM		5.70	0.00	97	84	1630	48	1.00	47.00	2328.00	181.00	4629.00	53.59%	46.41%	2016.00	2898.00	2.9%	7527.00	8.38	0.00	8.38	2448.453608	0.1	4.6	0.9	145.5
Initial Production	7/14/19 7:00 AM		5.70	0.00	97	91	1631	48	1.00	48.00	2328.00	188.00	4726.00	51.66%	48.40%	2184.00	2989.00	3.0%	7715.00	8.62	0.00	8.62	2448.453608	0.1	4.7	0.9	145.5
Initial Production	7/14/19 8:00 AM	Water Weight = 9.6 ppg Oil API = 42.63 @ 60°F	5.70	0.00	94	87	1628	48	1.00	49.00	2256.00	181.00	4828.00	51.93%	48.07%	2088.00	3078.00	3.1%	7896.00	8.86	0.00	8.86	2526.595745	0.1	4.9	0.9	141.0
Initial Production	7/14/19 9:00 AM		5.70	0.00	96	80	1627	48	1.00	50.00	2304.00	176.00	4916.00	54.55%	45.45%	1920.00	3156.00	3.2%	8072.00	9.10	0.00	9.10	2473.958333	0.1	5.0	0.9	144.0

Initial Production	7/14/19 10:00 AM		5.70	0.00	96	72	1630	48	1:00	51.00	2304.00	168.90	5012.00	57.14%	42.86%	1728.00	3228.00	3.3%	8240.00	9.33	0.00	9.33	2473.958333	0.1	5.1	0.9	144.0
Initial Production	7/14/19 11:00 AM		5.60	0.00	96	83	1626	48	1:00	52.00	2352.00	181.00	5110.00	54.14%	45.86%	1992.00	3311.00	3.4%	8421.00	9.57	0.00	9.57	2380.952381	0.1	5.2	0.9	147.0
Initial Production	7/14/19 12:00 PM	Water Weight = 9.6 ppg Oil API = 43.12 @ 60°F H2S = 0 ppm	5.60	0.00	100	80	1627	48	1:00	53.00	2400.00	180.00	5210.00	55.56%	44.44%	1920.00	3391.00	3.4%	8601.00	9.80	0.00	9.80	2333.333333	0.1	5.3	0.9	150.0
Initial Production	7/14/19 1:00 PM		5.70	0.00	93	95	1625	48	1:00	54.00	2232.00	188.00	5303.00	49.47%	50.53%	2280.00	3486.00	3.5%	8789.00	10.04	0.00	10.04	2553.763441	0.1	5.4	0.9	139.5
Initial Production	7/14/19 2:00 PM		5.70	0.00	96	83	1621	48	1:00	55.00	2304.00	179.60	5399.00	53.63%	46.37%	1992.00	3569.00	3.6%	8968.00	10.28	0.00	10.28	2473.958333	0.1	5.5	0.9	144.0
Initial Production	7/14/19 3:00 PM		5.70	0.00	96	87	1626	48	1:00	56.00	2304.00	183.00	5495.00	52.46%	47.54%	2088.00	3656.00	3.7%	9151.00	10.51	0.00	10.51	2473.958333	0.1	5.6	0.9	144.0
Initial Production	7/14/19 4:00 PM	Water Weight = 9.6 ppg Oil API = 43.12 @ 60°F	5.70	0.00	96	71	1627	48	1:00	57.00	2304.00	167.00	5591.00	57.49%	42.51%	1704.00	3727.00	3.8%	9318.00	10.75	0.00	10.75	2473.958333	0.1	5.7	0.9	144.0
Initial Production	7/14/19 5:00 PM		5.70	0.00	99	93	1605	48	1:00	58.00	2376.00	192.00	5890.00	51.56%	48.44%	2232.00	3820.00	3.9%	9510.00	10.99	0.00	10.99	2398.899899	0.1	5.9	0.9	148.5
Initial Production	7/14/19 6:00 PM		5.70	0.00	92	65	1605	48	1:00	59.00	2208.00	157.00	5782.00	58.60%	41.40%	1560.00	3885.00	3.9%	9667.00	11.23	0.00	11.23	2561.521739	0.1	6.0	0.9	138.0
Initial Production	7/14/19 7:00 PM		5.70	0.00	95	86	1599	48	1:00	60.00	2280.00	181.00	5877.00	52.49%	47.51%	2064.00	3971.00	4.0%	9848.00	11.46	0.00	11.46	2560	0.1	6.2	0.9	142.5
Initial Production	7/14/19 8:00 PM	Water Weight = 9.6 ppg Oil API = 40.96 @ 60°F	5.70	0.00	100	89	1588	48	1:00	61.00	2400.00	189.00	5977.00	52.91%	47.09%	2136.00	4060.00	4.1%	10037.00	11.70	0.00	11.70	2375	0.1	6.3	0.9	150.0
Initial Production	7/14/19 9:00 PM		5.70	0.00	90	72	1598	48	1:00	62.00	2160.00	162.00	6067.00	55.56%	44.44%	1728.00	4132.00	4.2%	10199.00	11.94	0.00	11.94	2638.888889	0.1	6.4	1.0	135.0
Initial Production	7/14/19 10:00 PM		5.70	0.00	97	96	1593	48	1:00	63.00	2328.00	191.00	6194.00	50.26%	49.74%	2304.00	4228.00	4.3%	10392.00	12.18	0.00	12.18	2448.453608	0.1	6.5	0.9	145.5
Initial Production	7/14/19 11:00 PM		5.70	0.00	93	85	1596	48	1:00	64.00	2232.00	179.00	6257.00	52.29%	47.79%	2040.00	4313.00	4.4%	10570.00	12.41	0.00	12.41	2553.763441	0.1	6.6	0.9	139.5
Initial Production	7/15/19 12:00 AM	Water Weight = 9.6 ppg Oil API = 41.10 @ 60°F H2S = 0 ppm	5.70	0.00	96	80	1593	48	1:00	65.00	2304.00	178.00	6353.00	54.55%	45.45%	1920.00	4393.00	4.5%	10746.00	12.65	0.00	12.65	2473.958333	0.1	6.7	0.9	144.0
Initial Production	7/15/19 1:00 AM		5.70	0.00	95	83	1595	48	1:00	66.00	2280.00	178.00	6446.00	53.37%	46.63%	1992.00	4476.00	4.5%	10924.00	12.89	0.00	12.89	2560	0.1	6.8	0.9	142.5
Initial Production	7/15/19 2:00 AM		5.60	0.00	90	74	1591	48	1:00	67.00	2160.00	164.00	6536.00	54.86%	45.12%	1776.00	4550.00	4.6%	11088.00	13.12	0.00	13.12	2592.592593	0.1	7.0	1.0	135.0
Initial Production	7/15/19 3:00 AM		5.70	0.00	95	91	1593	48	1:00	68.00	2280.00	180.00	6633.00	51.06%	48.92%	2184.00	4641.00	4.7%	11274.00	13.36	0.00	13.36	2560	0.1	7.1	0.9	142.5
Initial Production	7/15/19 4:00 AM	(4:00) Decreased choke to 45/64" Water Weight = 9.6 ppg Oil API = 41.40 @ 60°F	5.60	0.00	95	85	1586	48	1:00	69.00	2280.00	180.00	6728.00	52.78%	47.22%	2040.00	4726.00	4.8%	11454.00	13.59	0.00	13.59	2656.140351	0.1	7.2	0.9	142.5
Initial Production	7/15/19 5:00 AM		5.50	0.00	92	76	1645	46	1:00	70.00	2208.00	168.00	6820.00	54.76%	45.24%	1824.00	4802.00	4.9%	11622.00	13.82	0.00	13.82	2490.942029	0.1	7.1	0.9	138.0
Initial Production	7/15/19 6:00 AM	(6:00) Decrease choke to 44/64"	5.40	0.00	90	75	1654	46	1:00	71.00	2160.00	165.00	6910.00	54.55%	45.45%	1800.00	4877.00	5.0%	11787.00	14.05	0.00	14.05	2560	0.1	7.1	0.9	135.0
Initial Production	7/15/19 7:00 AM	(7:00) Decrease choke to 42/64"	5.10	0.00	94	74	1715	44	1:00	72.00	2256.00	168.00	7004.00	55.95%	44.05%	1776.00	4951.00	5.0%	11955.00	14.26	0.00	14.26	2260.638298	0.1	7.0	0.9	141.0
Initial Production	7/15/19 8:00 AM	(8:00) Decrease choke to 40/64" Water Weight = 9.7 ppg Oil API = 43.34 @ 60°F	4.90	0.00	85	74	1794	42	1:00	73.00	2040.00	159.00	7089.00	53.46%	46.54%	1776.00	5025.00	5.1%	12114.00	14.46	0.00	14.46	2401.960784	0.1	6.8	0.9	127.5
Initial Production	7/15/19 9:00 AM	(9:00) Decrease choke to 38/64"	4.80	0.00	86	72	1853	40	1:00	74.00	2064.00	158.00	7175.00	54.43%	45.57%	1728.00	5097.00	5.2%	12272.00	14.66	0.00	14.66	2325.581395	0.1	6.6	0.9	129.0
Initial Production	7/15/19 10:00 AM	(10:00) Decrease choke to 36/64"	4.70	0.00	78	70	1884	38	1:00	75.00	1872.00	148.00	7255.00	52.70%	47.30%	1680.00	5167.00	5.2%	12420.00	14.80	0.00	14.80	2510.683761	0.1	6.6	1.0	117.0
Initial Production	7/15/19 11:00 AM	(11:00) Decrease choke to 34/64" (12:00) Decrease choke to 32/64"	4.30	0.00	75	75	2010	36	1:00	76.00	1800.00	156.00	7328.00	50.00%	50.00%	1800.00	5242.00	5.3%	12570.00	15.04	0.00	15.04	2368.888889	0.1	6.3	0.9	112.5
Initial Production	7/15/19 12:00 PM	Water Weight = 9.7 ppg Oil API = 43.35 @ 60°F H2S = 0 ppm	4.10	0.00	73	59	2096	34	1:00	77.00	1752.00	132.00	7401.00	55.30%	44.70%	1416.00	5301.00	5.4%	12702.00	15.21	0.00	15.21	2340.182648	0.1	6.1	0.9	109.5
Initial Production	7/15/19 1:00 PM		3.80	0.00	67	59	2171	32	1:00	78.00	1608.00	126.00	7468.00	53.17%	46.83%	1416.00	5368.00	5.4%	12826.00	15.37	0.00	15.37	2363.18408	0.1	5.9	0.9	100.5
Initial Production	7/15/19 2:00 PM		3.80	0.00	68	54	2178	32	1:00	79.00	1632.00	122.00	7536.00	55.74%	44.26%	1296.00	5414.00	5.5%	12950.00	15.53	0.00	15.53	2328.431373	0.1	5.9	0.9	102.0
Initial Production	7/15/19 3:00 PM		3.80	0.00	61	47	2176	32	1:00	80.00	1464.00	106.00	7597.00	56.48%	43.52%	1128.00	5481.00	5.5%	13058.00	15.68	0.00	15.68	2595.628415	0.0	6.0	1.0	91.5
Initial Production	7/15/19 4:00 PM	Water Weight = 9.7 ppg Oil API = 43.17 @ 60°F	3.80	0.00	62	59	2175	32	1:00	81.00	1488.00	121.00	7659.00	51.24%	48.76%	1416.00	5529.00	5.6%	13179.00	15.84	0.00	15.84	2553.763441	0.1	6.1	1.0	93.0
Initial Production	7/15/19 5:00 PM		3.80	0.00	62	66	2174	32	1:00	82.00	1488.00	128.00	7721.00	48.44%	51.56%	1584.00	5586.00	5.7%	13307.00	16.00	0.00	16.00	2553.763441	0.1	6.1	1.0	93.0
Initial Production	7/15/19 6:00 PM		4.00	0.00	60	60	2070	32	1:00	83.00	1440.00	120.00	7781.00	50.00%	50.00%	1440.00	5646.00	5.7%	13427.00	16.17	0.00	16.17	2777.777778	0.1	6.5	1.1	90.0
Initial Production	7/15/19 7:00 PM		3.80	0.00	61	66	2169	32	1:00	84.00	1464.00	127.00	7842.00	48.03%	51.97%	1584.00	5712.00	5.8%	13554.00	16.33	0.00	16.33	2595.628415	0.1	6.2	1.0	91.5
Initial Production	7/15/19 8:00 PM	Water Weight = 9.7 ppg Oil API = 42.06 @ 60°F	3.80	0.00	68	62	2154	32	1:00	85.00	1632.00	130.00	7910.00	52.31%	47.69%	1488.00	5774.00	5.9%	13684.00	16.48	0.00	16.48	2328.431373	0.1	6.4	0.9	102.0
Initial Production	7/15/19 9:00 PM		3.80	0.00	64	58	2165	32	1:00	86.00	1536.00	122.00	7974.00	52.46%	47.54%	1392.00	5832.00	5.9%	13806.00	16.64	0.00	16.64	2473.958333	0.1	6.4	1.0	96.0
Initial Production	7/15/19 10:00 PM		3.80	0.00	59	61	2160	32	1:00	87.00	1416.00	129.00	8033.00	49.17%	50.83%	1464.00	5893.00	6.0%	13926.00	16.80	0.00	16.80	2683.615819	0.1	6.4	1.1	88.5
Initial Production	7/15/19 11:00 PM		3.70	0.00	61	53	2148	32	1:00	88.00	1464.00	114.00	8094.00	53.51%	46.49%	1272.00	5946.00	6.0%	14040.00	16.95	0.00	16.95	2527.322404	0.1	6.5	1.0	91.5
Initial Production	7/16/19 12:00 AM	Water Weight = 9.7 ppg Oil API = 42.36 @ 60°F H2S = 0 ppm	3.80	0.00	61	65	2155	32	1:00	89.00	1464.00	126.00	8155.00	48.41%	51.59%	1560.00	6011.00	6.1%	14166.00	17.11	0.00	17.11	2595.628415	0.1	6.6	1.0	91.5
Initial Production	7/16/19 1:00 AM		3.80	0.00	59	59	2153	32	1:00	90.00	1416.00	118.00	8214.00	50.00%	50.00%	1416.00	6070.00	6.2%	14284.00	17.27	0.00	17.27	2683.615819	0.1	6.6	1.1	88.5
Initial Production	7/16/19 2:00 AM		3.80	0.00	61	60	2158	32	1:00	91.00	1464.00	121.00	8275.00	50.41%	49.59%	1440.00	6130.00	6.2%	14405.00	17.43	0.00	17.43	2595.628415	0.1	6.7	1.0	91.5
Initial Production	7/16/19 3:00 AM		3.80	0.00	59	57	2158	32	1:00	92.00	1416.00	116.00	8334.00	50.86%	49.14%	1368.00	6187.00	6.3%	14521.00	17.59	0.00	17.59	2683.615819	0.1	6.7	1.1	88.5
Initial Production	7/16/19 4:00 AM	Water Weight = 9.7 ppg Oil API = 42.36 @ 60°F	3.80	0.00	58	71	2152	32	1:00	93.00	1392.00	129.00	8392.00	44.96%	55.04%	1704.00	6258.00	6.4%	14650.00	17.75	0.00	17.75	2729.885057	0.1	6.8	1.1	87.0
Initial Production	7/16/19 5:00 AM		3.80	0.00	59	58	2147	32	1:00	94.00	1416.00	117.00	8451.00	50.43%	49.57%	1392.00	6316.00	6.4%	14767.00	17.90	0.00	17.90	2683.615819	0.1	6.9	1.1	88.5
Initial Production	7/16/19 6:00 AM		3.60	0.00	59	62	2154	32	1:00	95.00	1416.00	121.00	8510.00	48.76%	51.24%	1488.00	6378.00	6.5%	14888.00	18.05	0.00	18.05	2542.372881	0.1	6.9	1.1	88.5
Initial Production	7/16/19 7:00 AM		3.70	0.00	61	61	2149	32	0.25	96.00	1464.00	122.00	8571.00	50.00%	50.00%	1464.00	6439.00	6.5%	15010.00	18.21	0.00	18.21	2527.322404	0.1	7.0	1.0	91.5
Flowback operations complete	7/16/19 7:25 AM	(7:25) Turned over on a TFMC 32/64" choke to Production 24/64" choke at 2,151 psi(g). Manifold sand sample = 0.01%					2151	32	0.00	96.42	0.00	0.00	8571.00	[illegible]	[illegible]	0.00	6439.00	6.5%	15010.00	18.21	0.00	18.21	[illegible]	0.0	7.0	[illegible]	0.0

Version 20190404

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY

Company Name	Hess Corporation	
Well Name	BB-EIDE-151-95-3328H 13	
API Number		
Area Work Team	D	
Field	BB	
Formation	TF	
Area (Acres)	1280	
Date on Location	6/27/2019	
Initial Flowback Date	7/16/19 1:00 PM	
Flowback Company	TechnipFMC	
Responsible Contractor	Joshua Turner	
Phone Contact	701-389-8367	
Initial Shut-in Tubing Pressure (Psi)	3,395	PSI

FRAC JOB SUMMARY

Type Frac Job	Hydraulic Frac	
TOTAL Clean Fluid Pumped	174,400	BBLS
TOTAL Sand Pumped	9,981,532	LBS
Proposed # Stages	31	Stages
Effective # Stages	31	Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
Flowback Crew / Hess FB Supervisor
Flowback
Automatic

Event Phase	Date MM/DD/YY TIME	Remarks	Flared Gas Rate (FB) MMscfd	Sales Gas Rate MMscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psi(g)	Choke Size in (#/64)
	7/16/19 7:30 PM	Report start time	0.00	0.00	0	0	3395	0
Standard Work	7/16/19 7:00 AM	(7:25) TFMC Begins RDMO to H13						
Standard Work	7/16/19 8:00 AM	(8:50) TFMC completes RDMO. Begins Routine maintenance. TFMC calls ARP Energy to come earlier for Pressure Test.						
Standard Work	7/16/19 9:00 AM							
Standard Work	7/16/19 10:00 AM	(10:30) TFMC starts ESD/Man down Drill. Arp Energy arrives on location.						
Standard Work	7/16/19 11:00 AM	(11:00) TFMC completes Drill. (11:30) Pressure tests begin for 2" 1502 High Pressure Flowline.						
Standard Work	7/16/19 12:00 PM							
Standard Work	7/16/19 1:00 PM	(1:10) Pressure test completed.						
Initial Flowback	7/16/19 1:15 PM	(1:15) TFMC open well to flow on a 24/64" choke with an IOP of 3,395 psi(g) to H8C088. Immediate Gas and Oil to surface.					3395	24
Initial Production	7/16/19 1:25 PM	(1:25) Oil to Production on a 24/64" choke with a WHP of 2,802 psi(a).					2802	24
Initial Production	7/16/19 2:00 PM		2.00	0.00	45	0	1705	24
Initial Production	7/16/19 3:00 PM	(3:00) Increase choke to 28/64"	1.30	0.00	71	111	2169	24
Initial Production	7/16/19 4:00 PM	Water Weight = 9.9 ppg Oil API = 43.37 @ 60°F	1.70	0.00	82	89	2055	28
Initial Production	7/16/19 5:00 PM	(5:00) Increase choke to 32/64"	1.70	0.00	70	73	2072	28
Initial Production	7/16/19 6:00 PM		2.20	0.00	99	84	1908	32
Initial Production	7/16/19 7:00 PM	(7:00) Increase choke to 36/64"	2.30	0.00	75	90	1890	32
Initial Production	7/16/19 8:00 PM	Water Weight = 9.8 ppg Oil API = 44.26 @ 60°F	2.70	0.00	106	88	1771	36
Initial Production	7/16/19 9:00 PM	(9:00) Increase choke to 38/64"	2.90	0.00	102	93	1751	36
Initial Production	7/16/19 10:00 PM		3.20	0.00	139	94	1561	38
Initial Production	7/16/19 11:00 PM		2.40	0.00	100	75	2300	38
Initial Production	7/17/19 12:00 AM	(12:00) Increase choke to 40/64" Water Weight = 9.8 ppg Oil API = 42.57 @ 60°F H2S = 0 ppm	3.50	0.00	101	93	1845	38
Initial Production	7/17/19 1:00 AM		3.40	0.00	104	89	1621	40
Initial Production	7/17/19 2:00 AM	(2:00) Increase choke to 42/64"	3.50	0.00	116	92	1641	40
Initial Production	7/17/19 3:00 AM		3.60	0.00	120	101	1590	42
Initial Production	7/17/19 4:00 AM	Water Weight = 9.8 ppg Oil API = 42.36 @ 60°F	3.70	0.00	143	98	1621	42
Initial Production	7/17/19 5:00 AM		3.70	0.00	131	108	1618	42
Initial Production	7/17/19 6:00 AM		3.70	0.00	127	85	1624	42
Initial Production	7/17/19 7:00 AM		3.70	0.00	127	98	1618	42
Initial Production	7/17/19 8:00 AM	Water Weight = 9.8 ppg Oil API = 43.19 @ 60°F	3.80	0.00	144	110	1626	42
Initial Production	7/17/19 9:00 AM		3.70	0.00	121	95	1623	42
Initial Production	7/17/19 10:00 AM		3.80	0.00	108	96	1627	42
Initial Production	7/17/19 11:00 AM		3.70	0.00	110	90	1620	42
Initial Production	7/17/19 12:00 PM	Water Weight = 9.8 ppg Oil API = 42.63 @ 60°F H2S = 0 ppm	3.80	0.00	131	98	1636	42
Initial Production	7/17/19 1:00 PM		3.80	0.00	92	85	1637	42
Initial Production	7/17/19 2:00 PM		3.80	0.00	126	101	1630	42
Initial Production	7/17/19 3:00 PM		3.80	0.00	93	90	1631	42
Initial Production	7/17/19 4:00 PM	Water Weight = 9.8 ppg Oil API = 42.89 @ 60°F	3.80	0.00	116	94	1630	42
Initial Production	7/17/19 5:00 PM		3.80	0.00	131	93	1629	42
Initial Production	7/17/19 6:00 PM		3.90	0.00	158	72	1636	42
Initial Production	7/17/19 7:00 PM		3.90	0.00	178	103	1674	42
Initial Production	7/17/19 8:00 PM	Water Weight = 9.8 ppg Oil API = 42.46 @ 60°F	4.00	0.00	164	103	1696	42
Initial Production	7/17/19 9:00 PM		3.80	0.00	149	104	1657	42
Initial Production	7/17/19 10:00 PM		3.40	0.00	109	95	1584	42
Initial Production	7/17/19 11:00 PM		3.80	0.00	156	89	1670	42
Initial Production	7/18/19 12:00 AM	Water Weight = 9.9 ppg Oil API = 42.16 @ 60°F H2S = 0 ppm	4.90	0.00	121	91	1584	42
Initial Production	7/18/19 1:00 AM		3.70	0.00	143	92	1530	42
Initial Production	7/18/19 2:00 AM		3.80	0.00	123	85	1606	42
Initial Production	7/18/19 3:00 AM		3.80	0.00	129	70	1643	42
Initial Production	7/18/19 4:00 AM	Water Weight = 9.9 ppg Oil API = 42.16 @ 60°F	3.90	0.00	164	103	1606	42
Initial Production	7/18/19 5:00 AM		3.80	0.00	98	89	1669	42
Initial Production	7/18/19 6:00 AM		3.90	0.00	162	93	1622	42
Initial Production	7/18/19 7:00 AM		3.90	0.00	115	89	1626	42
Initial Production	7/18/19 8:00 AM	Water Weight = 9.9 ppg Oil API = 42.87 @ 60°F	3.80	0.00	155	94	1624	42
Initial Production	7/18/19 9:00 AM		3.80	0.00	143	88	1613	42
Initial Production	7/18/19 10:00 AM		3.80	0.00	193	84	1620	42
Initial Production	7/18/19 11:00 AM		3.80	0.00	155	94	1623	42
Initial Production	7/18/19 12:00 PM	Water Weight = 9.9 ppg Oil API = 43.37 @ 60°F H2S = 0 ppm	3.90	0.00	111	85	1620	42
Initial Production	7/18/19 1:00 PM		3.90	0.00	155	90	1630	42
Initial Production	7/18/19 2:00 PM		3.90	0.00	174	91	1620	42
Initial Production	7/18/19 3:00 PM	(3:00) Decrease choke to 40/64"	3.90	0.00	160	101	1620	42
Initial Production	7/18/19 4:00 PM	(4:00) Decrease choke to 38/64". TFMC adjusts choke to Production Rate. Water Weight = 9.9 ppg Oil API = 43.37 @ 60°F	3.80	0.00	123	80	1738	40
Initial Production	7/18/19 5:00 PM		3.80	0.00	152	94	1811	38

Date MM/DD/YY TIME	Duration hrs	Cum Time hrs	Oil Daily bbl/day	Total Fluid bbl/hr	Oil Cum bbl	Oil Cut %	Water Cut %	Water Daily bbl/day	Water Cum bbl	Load Recovery %	Total Liq Cum bbl	Flared Gas Cum MMscf	Sales Gas Cum MMSCF	Total Gas Cum MMSCF	GOR scf/bbl	BFPH/FTP (bbls/psi)	Cum FTPH/FTP (bbl/psi)	1/PI (psi/bbl)	BO/Stage (bbls/stg)	SQRT (t) (Hours^0.5)	AWT (#)
7/16/19 7:30 PM	0.00	0	0.00	0	0	[illegible]	[illegible]		0	0.0%	0	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	0.0	D
7/16/19 7:00 AM	1.00	0.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	0.0	D
7/16/19 8:00 AM	1.00	1.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	1.0	D
7/16/19 9:00 AM	1.00	2.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	1.4	D
7/16/19 10:00 AM	1.00	3.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	1.7	D
7/16/19 11:00 AM	1.00	4.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	2.0	D
7/16/19 12:00 PM	1.00	5.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	2.2	D
7/16/19 1:00 PM	0.15	6.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	2.4	D
7/16/19 1:15 PM	0.10	6.25	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	2.5	D
7/16/19 1:25 PM	0.35	6.42	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	2.5	D
7/16/19 2:00 PM	1.00	7.00	1080.00	45.00	45.00	100.00%	0.00%	0.00	0.00	0.0%	45.00	0.08	0.00	0.08	1851.851852	0.0	0.0	1.6	34.8	2.6	D
7/16/19 3:00 PM	1.00	8.00	1704.00	182.00	116.00	39.01%	60.99%	2664.00	111.00	0.1%	227.00	0.14	0.00	0.14	762.9107981	0.1	0.1	0.7	55.0	2.8	D
7/16/19 4:00 PM	1.00	9.00	1968.00	171.00	198.00	47.95%	52.05%	2136.00	200.00	0.1%	398.00	0.21	0.00	0.21	863.8211382	0.1	0.2	0.7	63.5	3.0	D
7/16/19 5:00 PM	1.00	10.00	1680.00	143.00	268.00	48.95%	51.05%	1752.00	273.00	0.2%	541.00	0.28	0.00	0.28	1011.904762	0.1	0.3	0.8	54.2	3.2	D
7/16/19 6:00 PM	1.00	11.00	2376.00	183.00	367.00	54.10%	45.90%	2016.00	357.00	0.2%	724.00	0.37	0.00	0.37	925.9259259	0.1	0.4	0.8	76.6	3.3	D
7/16/19 7:00 PM	1.00	12.00	1800.00	165.00	442.00	45.45%	54.55%	2160.00	447.00	0.3%	889.00	0.47	0.00	0.47	1277.777778	0.1	0.5	0.8	58.1	3.5	D
7/16/19 8:00 PM	1.00	13.00	2544.00	194.00	548.00	54.64%	45.36%	2112.00	535.00	0.3%	1083.00	0.58	0.00	0.58	1061.320755	0.1	0.6	0.6	82.1	3.6	D
7/16/19 9:00 PM	1.00	14.00	2448.00	195.00	650.00	52.31%	47.69%	2232.00	628.00	0.4%	1278.00	0.70	0.00	0.70	1184.640523	0.1	0.7	0.7	79.0	3.7	D
7/16/19 10:00 PM	1.00	15.00	3336.00	233.00	789.00	59.66%	40.34%	2256.00	722.00	0.4%	1511.00	0.83	0.00	0.83	959.2326139	0.1	1.0	0.5	107.6	3.9	D
7/16/19 11:00 PM	1.00	16.00	2400.00	175.00	889.00	57.14%	42.86%	1800.00	797.00	0.5%	1686.00	0.93	0.00	0.93	1000	0.1	0.7	0.5	77.4	4.0	D
7/17/19 12:00 AM	1.00	17.00	2424.00	194.00	990.00	52.06%	47.94%	2232.00	890.00	0.5%	1880.00	1.08	0.00	1.08	1443.894389	0.1	1.1	0.7	78.2	4.1	D
7/17/19 1:00 AM	1.00	18.00	2496.00	193.00	1094.00	53.89%	46.11%	2136.00	979.00	0.6%	2073.00	1.22	0.00	1.22	1362.179487	0.1	1.3	0.7	80.5	4.2	D
7/17/19 2:00 AM	1.00	19.00	2784.00	208.00	1210.00	55.77%	44.23%	2208.00	1071.00	0.6%	2281.00	1.37	0.00	1.37	1257.183908	0.1	1.4	0.8	89.8	4.4	D
7/17/19 3:00 AM	1.00	20.00	2880.00	221.00	1330.00	54.30%	45.70%	2424.00	1172.00	0.7%	2502.00	1.52	0.00	1.52	1250	0.1	1.6	0.6	92.9	4.5	D
7/17/19 4:00 AM	1.00	21.00	3432.00	241.00	1473.00	59.34%	40.66%	2352.00	1270.00	0.7%	2743.00	1.67	0.00	1.67	1078.088578	0.1	1.7	0.5	110.7	4.6	D
7/17/19 5:00 AM	1.00	22.00	3144.00	239.00	1604.00	54.81%	45.19%	2592.00	1378.00	0.8%	2982.00	1.83	0.00	1.83	1176.844784	0.1	1.8	0.6	101.4	4.7	D
7/17/19 6:00 AM	1.00	23.00	3048.00	212.00	1731.00	59.91%	40.09%	2040.00	1463.00	0.8%	3194.00	1.98	0.00	1.98	1213.910761	0.1	2.0	0.6	98.3	4.8	D
7/17/19 7:00 AM	1.00	24.00	3048.00	225.00	1858.00	56.44%	43.56%	2352.00	1561.00	0.9%	3419.00	2.13	0.00	2.13	1213.910761	0.1	2.1	0.6	98.3	4.9	D
7/17/19 8:00 AM	1.00	25.00	3456.00	254.00	2002.00	56.69%	43.31%	2640.00	1671.00	1.0%	3673.00	2.29	0.00	2.29	1099.537037	0.2	2.3	0.5	111.5	5.0	D
7/17/19 9:00 AM	1.00	26.00	2904.00	216.00	2123.00	56.02%	43.98%	2280.00	1766.00	1.0%	3889.00	2.45	0.00	2.45	1274.104683	0.1	2.4	0.6	93.7	5.1	D
7/17/19 10:00 AM	1.00	27.00	2592.00	204.00	2231.00	52.94%	47.06%	2304.00	1862.00	1.1%	4093.00	2.60	0.00	2.60	1466.049383	0.1	2.5	0.7	83.6	5.2	D
7/17/19 11:00 AM	1.00	28.00	2640.00	200.00	2341.00	55.00%	45.00%	2160.00	1952.00	1.1%	4293.00	2.76	0.00	2.76	1401.515152	0.1	2.7	0.7	85.2	5.3	D
7/17/19 12:00 PM	1.00	29.00	3144.00	229.00	2472.00	57.21%	42.79%	2352.00	2050.00	1.2%	4522.00	2.92	0.00	2.92	1208.651399	0.1	2.8	0.6	101.4	5.4	D
7/17/19 1:00 PM	1.00	30.00	2208.00	177.00	2564.00	51.98%	48.02%	2040.00	2135.00	1.2%	4699.00	3.08	0.00	3.08	1721.014493	0.1	2.9	0.8	71.2	5.5	D
7/17/19 2:00 PM	1.00	31.00	3024.00	227.00	2690.00	55.51%	44.49%	2424.00	2236.00	1.3%	4926.00	3.23	0.00	3.23	1256.613757	0.1	3.0	0.6	97.5	5.6	D
7/17/19 3:00 PM	1.00	32.00	2232.00	183.00	2783.00	50.82%	49.18%	2160.00	2326.00	1.3%	5109.00	3.39	0.00	3.39	1702.508961	0.1	3.1	0.8	72.0	5.7	D
7/17/19 4:00 PM	1.00	33.00	2784.00	210.00	2899.00	55.24%	44.76%	2256.00	2420.00	1.4%	5319.00	3.55	0.00	3.55	1364.942529	0.1	3.3	0.6	89.8	5.7	D
7/17/19 5:00 PM	1.00	34.00	3144.00	224.00	3030.00	58.48%	41.52%	2232.00	2513.00	1.4%	5543.00	3.71	0.00	3.71	1208.651399	0.1	3.4	0.6	101.4	5.8	D
7/17/19 6:00 PM	1.00	35.00	3792.00	230.00	3188.00	68.70%	31.30%	1728.00	2585.00	1.5%	5773.00	3.87	0.00	3.87	1028.481013	0.1	3.5	0.5	122.3	5.9	D
7/17/19 7:00 PM	1.00	36.00	4272.00	281.00	3366.00	63.35%	36.65%	2472.00	2688.00	1.5%	6054.00	4.03	0.00	4.03	912.9213483	0.2	3.6	0.4	137.8	6.0	D
7/17/19 8:00 PM	1.00	37.00	3936.00	267.00	3530.00	61.42%	38.58%	2472.00	2791.00	1.6%	6321.00	4.20	0.00	4.20	1016.260163	0.2	3.7	0.4	127.0	6.1	D
7/17/19 9:00 PM	1.00	38.00	3576.00	253.00	3679.00	58.89%	41.11%	2496.00	2895.00	1.7%	6574.00	4.36	0.00	4.36	1062.639821	0.2	4.0	0.5	115.4	6.2	D
7/17/19 10:00 PM	1.00	39.00	2616.00	204.00	3788.00	53.43%	46.57%	2280.00	2990.00	1.7%	6778.00	4.50	0.00	4.50	1299.69419	0.1	4.3	0.7	84.4	6.2	D
7/17/19 11:00 PM	1.00	40.00	3744.00	245.00	3944.00	63.67%	36.33%	2136.00	3079.00	1.8%	7023.00	4.66	0.00	4.66	1014.957265	0.1	4.2	0.5	120.8	6.3	D
7/18/19 12:00 AM	1.00	41.00	2904.00	212.00	4065.00	57.08%	42.92%	2184.00	3170.00	1.8%	7235.00	4.86	0.00	4.86	1687.327824	0.1	4.6	0.6	93.7	6.4	D
7/18/19 1:00 AM	1.00	42.00	3432.00	235.00	4208.00	60.85%	39.15%	2208.00	3262.00	1.9%	7470.00	5.02	0.00	5.02	1078.088578	0.2	4.9	0.5	110.7	6.5	D
7/18/19 2:00 AM	1.00	43.00	2952.00	208.00	4331.00	59.13%	40.87%	2040.00	3347.00	1.9%	7678.00	5.18	0.00	5.18	1287.262873	0.1	4.8	0.6	95.2	6.6	D
7/18/19 3:00 AM	1.00	44.00	3096.00	199.00	4460.00	64.82%	35.18%	1680.00	3417.00	2.0%	7877.00	5.33	0.00	5.33	1227.390181	0.1	4.8	0.6	99.9	6.6	D
7/18/19 4:00 AM	1.00	45.00	3936.00	267.00	4624.00	61.42%	38.58%	2472.00	3520.00	2.0%	8144.00	5.50	0.00	5.50	990.8536585	0.2	5.1	0.5	127.0	6.7	D
7/18/19 5:00 AM	1.00	46.00	2352.00	187.00	4722.00	52.41%	47.59%	2136.00	3609.00	2.1%	8331.00	5.66	0.00	5.66	1615.646259	0.1	5.0	0.7	75.9	6.8	D
7/18/19 6:00 AM	1.00	47.00	3888.00	255.00	4884.00	63.53%	36.47%	2232.00	3702.00	2.1%	8586.00	5.82	0.00	5.82	1003.08642	0.2	5.3	0.5	125.4	6.9	D
7/18/19 7:00 AM	1.00	48.00	2760.00	204.00	4999.00	56.37%	43.63%	2136.00	3791.00	2.2%	8790.00	5.98	0.00	5.98	1413.043478	0.1	5.4	0.6	89.0	6.9	D
7/18/19 8:00 AM	1.00	49.00	3720.00	249.00	5154.00	62.25%	37.75%	2256.00	3885.00	2.2%	9039.00	6.14	0.00	6.14	1021.505376	0.2	5.6	0.5	120.0	7.0	D
7/18/19 9:00 AM	1.00	50.00	3432.00	231.00	5297.00	61.90%	38.10%	2112.00	3973.00	2.3%	9270.00	6.30	0.00	6.30	1107.226107	0.1	5.7	0.5	110.7	7.1	D
7/18/19 10:00 AM	1.00	51.00	4632.00	277.00	5490.00	69.68%	30.32%	2016.00	4057.00	2.3%	9547.00	6.45	0.00	6.45	820.3799655	0.2	5.9	0.4	149.4	7.1	D
7/18/19 11:00 AM	1.00	52.00	3720.00	249.00	5645.00	62.25%	37.75%	2256.00	4151.00	2.4%	9796.00	6.61	0.00	6.61	1021.505376	0.2	6.0	0.5	120.0	7.2	D
7/18/19 12:00 PM	1.00	53.00	2664.00	196.00	5756.00	56.63%	43.37%	2040.00	4236.00	2.4%	9992.00	6.78	0.00	6.78	1463.963964	0.1	6.2	0.7	85.9	7.3	D
7/18/19 1:00 PM	1.00	54.00	3720.00	245.00	5911.00	63.27%	36.73%	2160.00	4326.00	2.5%	10237.00	6.94	0.00	6.94	1048.387097	0.2	6.3	0.5	120.0	7.3	D
7/18/19 2:00 PM	1.00	55.00	4176.00	265.00	6085.00	65.66%	34.34%	2184.00	4417.00	2.5%	10502.00	7.10	0.00	7.10	933.908046	0.2	6.5	0.4	134.7	7.4	D
7/18/19 3:00 PM	1.00	56.00	3840.00	261.00	6245.00	61.30%	38.70%	2424.00	4518.00	2.6%	10763.00	7.26	0.00	7.26	1015.625	0.2	6.6	0.5	123.9	7.5	D
7/18/19 4:00 PM	1.00	57.00	2952.00	203.00	6368.00	60.59%	39.41%	1920.00	4598.00	2.6%	10966.00	7.42	0.00	7.42	1287.262873	0.1	6.3	0.6	95.2	7.5	D
7/18/19 5:00 PM	1.00	58.00	3648.00	236.00	6520.00	64.41%	35.59%	2016.00	4682.00	2.7%	11202.00	7.58	0.00	7.58	1041.666667	0.1	6.2	0.4	117.7	7.6	D

Initial Production	7/18/19 6:00 PM	(6:00) Decreased Choke to a 36/64" to reach target goal of 120 BBL fluid +/- 10 BBL	3.81	0.00				36	1.00	58.00	0.00	0.00	6539.00	[illegible]	[illegible]	0.00	4682.00	2.7%	11202.00	7.74	0.00	7.74	[illegible]	[illegible]	[illegible]	[illegible]	0.9	7.7	0
Initial Production	7/18/19 7:00 PM		3.57	0.00	138	65	1851	36	1.00	60.00	3240.00	228.00	6668.00	58.21%	40.79%	2232.00	4775.00	2.7%	11430.00	7.89	0.00	7.89	1101.801802	0.1	6.2	0.5	104.5	7.7	0
Initial Production	7/18/19 8:00 PM	(8:00) Decrease choke to 34/64" to reach target goal. Water Weight = 9.8 ppg Oil API = 41.97 @ 60°F	3.52	0.00	140	65	1849	36	1.00	61.00	3604.00	231.00	6801.00	63.20%	36.80%	2049.00	4960.00	2.8%	11661.00	8.03	0.00	8.03	1004.98021	0.1	6.3	0.4	113.0	7.8	0
Initial Production	7/18/19 9:00 PM		3.37	0.00	140	67	1901	34	1.00	62.00	3360.00	207.00	6941.00	67.83%	32.37%	1838.00	4927.00	2.8%	11868.00	8.17	0.00	8.17	1002.97619	0.1	6.2	0.4	103.4	7.9	0
Initial Production	7/18/19 10:00 PM	(10:00) Decreased Choke to a 32/64" to reach target goal of 120 BBL fluid +/- 10 BBL	3.29	0.00	102	77		34	1.00	63.00	2448.00	179.00	7043.00	56.98%	43.02%	1848.00	5064.00	2.9%	12047.00	8.31	0.00	8.31	1343.864048	[illegible]	[illegible]	1.4	76.0	7.9	0
Initial Production	7/18/19 11:00 PM		3.04	0.00	112	77	1949	32	1.00	64.00	2688.00	169.00	7135.00	59.26%	40.74%	1848.00	5081.80	2.9%	12235.00	8.44	0.00	8.44	1130.952381	0.1	6.3	0.5	86.7	8.0	0
Initial Production	7/19/19 12:00 AM	(12:00 AM) Decreased choke to a 30/64" to reach target goal. Water Weight = 9.8 ppg Oil API = 41.97 @ 60°F H2S = 0 ppm	2.99	0.00	115	58	1948	32	1.00	65.00	2760.00	174.00	7270.00	66.09%	33.91%	1416.00	5140.00	2.9%	12410.00	8.56	0.00	8.56	1083.333333	0.1	6.4	0.5	89.0	8.1	0
Initial Production	7/19/19 1:00 AM		2.43	0.00	77	65	2058	30	1.00	66.00	1848.00	142.00	7347.00	54.23%	45.77%	1590.00	5205.00	3.0%	12552.00	8.66	0.00	8.66	1314.935065	0.1	6.1	0.7	59.6	8.1	0
Initial Production	7/19/19 2:00 AM	(2:00 AM) Decreased choke to a 28/64" to reach target goal	2.37	0.00	128	61	2046	30	1.00	67.00	3072.00	169.00	7478.00	67.72%	32.28%	1464.00	5286.00	3.0%	12741.00	8.78	0.00	8.78	771.484375	0.1	6.2	0.4	86.1	8.2	0
Initial Production	7/19/19 3:00 AM	(3:00 AM) Decreased choke to a 26/64" to reach target goal. Water Weight = 9.8 ppg Oil API = 41.97 @ 60°F	2.24	0.00	101	64	2034	28	1.00	68.00	2424.00	165.00	7526.00	61.21%	38.79%	1536.00	5330.00	3.1%	12906.00	8.86	0.00	8.86	924.5804082	0.1	6.3	0.6	76.2	8.2	0
Initial Production	7/19/19 4:00 AM		2.08	0.00	70	59	2066	26	1.00	69.00	1680.00	129.00	7646.00	54.26%	45.74%	1416.00	5389.00	3.1%	13035.00	8.94	0.00	8.94	1238.095238	0.1	6.2	0.8	54.2	8.3	0
Initial Production	7/19/19 5:00 AM		2.08	0.00	97	53	2077	26	1.00	70.00	2328.00	180.00	7743.00	64.67%	35.33%	1272.00	5442.00	3.1%	13165.00	9.03	0.00	9.03	891.4717964	0.1	6.3	0.6	75.1	8.4	0
Initial Production	7/19/19 6:00 AM		2.00	0.00	81	54	2071	26	1.00	71.00	1944.00	135.00	7824.00	60.00%	40.00%	1296.00	5496.00	3.2%	13320.00	9.11	0.00	9.11	1028.806584	0.1	6.4	0.7	62.7	8.4	0
Production through Facilities	7/19/19 7:00 AM		2.00	0.00	79	56	2083	26	0.30	72.00	1896.00	135.00	7903.00	58.52%	41.48%	1344.00	5552.00	3.2%	13456.00	9.20	0.00	9.20	1054.852321	0.1	6.5	0.7	61.2	8.5	0
Flowback operations complete	7/19/19 7:30 AM	(7:30) Turned over on a TFMC 26/64" choke to Production 24/64" choke at 2,081 psig). Manifold sand sample = 0.01%					2081	26	0.00	72.50	0.00	0.00	7903.00	[illegible]	[illegible]	0.00	5552.00	3.2%	13456.00	9.20	0.00	9.20	[illegible]	0.0	6.5	[illegible]	0.0	6.5	0

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/25/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	BB-FEDERAL A-151-95-0910H-3		API 3306306524
Coordinates:	LATITUDE/LONGITUDE:	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/26/18 11:22 AM	8/27/18 5:00 PM	1.99	0.1416

Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/27/18 3:00 PM	8/29/18 1:20 PM	1.13	2.1835

Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/27/18 3:00 PM	8/29/18 1:20 PM	0.54	0.9714

Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments: Flare as directed by Lease Operator: High pipeline pressure 8-15-18 7:00-10:00 PM: Pipeline compressor down.

Responsible Party (?)					
Name:	Joshua Turmon	Title:	Site Supervisor		
Email:	joshua.turmon@technipfmc.com	Phone:	701-389-9367	Mobile:	701-389-9367

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 9/18/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	BB-FEDERAL B-151-95-2122H-7	API 3305308081	
Coordinates:	LATITUDE/LONGITUDE L (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/19/18 9:30 AM	9/19/18 10:30 AM	1.97	0.0821
Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/19/18 10:30 AM	9/23/18 10:20 AM	2.60	9.9724
Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/19/18 10:30 AM	9/23/18 10:20 AM	0.35	0.0501
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments:	Flare as directed by Lease Operator: High pipeline pressure 8-18-18 7:00-10:00 PM: Pipeline compressor down.		
Responsible Party (?)			
Name:	Joshua Turmon	**Title:** Site Supervisor	
Email:	joshua.turmon@technipfmc.com	**Phone:** 701-389-9367	**Mobile:** 701-389-9367

Digital Attachment of equipment layout

North East Elevation

(b) (9)

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 9/18/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	BB-FEDERAL B-151-95-2122H-9	API 3305308079	
Coordinates:	LATITUDE/LONGITUDE T	(b) (9)	
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/26/18 1:30 PM	9/26/18 2:30 PM	0.00	0.0000
Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/26/18 2:30 PM	9/29/18 8:20 AM	2.30	6.3321
Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/26/18 2:30 PM	9/29/18 8:20 AM	0.43	0.4122
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments:	Flare as directed by Lease Operator. High pipeline pressure.6-18-18 7:00-10:00 PM: Pipeline compressor down.		

Responsible Party (?)					
Name:	Joshua Turmon	**Title:**	Site Supervisor		
Email:	joshua.turmon@technipfmc.com	**Phone:**	701-389-9367	**Mobile:**	701-389-9367

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 9/18/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	BB-FEDERAL B-151-95-2122H-10	API#:	33053030
Coordinates:	LATITUDE/LONGITUDE: (b) (9)		

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/1/18 1:30 PM	10/1/18 3:00 PM	0.00	0.0000

Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/1/18 3:00 PM	10/6/18 9:20 AM	0.67	2.8614

Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/1/18 3:00 PM	10/6/18 9:20 AM	1.80	8.3262

Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments: Flare as directed by Lease Operator. High pipeline pressure.6-18-18 7:00-10:00 PM: Pipeline compressor down.

Responsible Party (?)					
Name:	Joshua Turmon	Title:	Site Supervisor		
Email:	joshua.turmon@twinpinc.com	Phone:	701-389-9367	Mobile:	701-389-9367

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

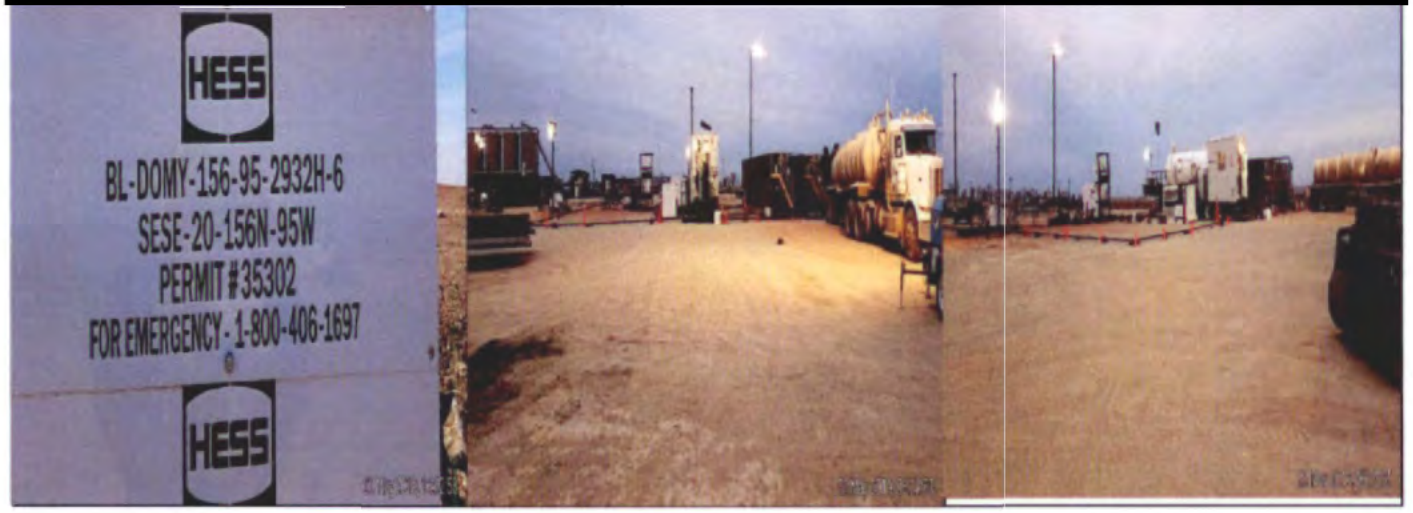
REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 5/20/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	BL-DOMY-156-95-2932H-6	API 3310504917	
Coordinates:	LATITUDE/LONGITUDE: (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/21/19 12:00 PM	5/21/19 5:00 PM	0.03	0.0031
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/21/19 5:00 PM	5/24/19 8:00 AM	0.00	0.0000
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/21/19 5:00 PM	5/24/19 8:00 AM	0.93	2.4097
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/24/19 8:00 AM	5/24/19 8:01 AM	0.00	0.0000
Comments:			
Responsible Party (?)			
Name: David Abbott	**Title:** Site Supervisor		
Email: anthony.thompson@technicfmc	**Phone:** 701-500-1156	**Mobile:** 701-500-1156	

Digital Attachment of equipment layout

(b) (9)



HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 5/20/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	BL-DOMY-156-95-2932H-7	API 3310504918	
Coordinates:	LATITUDE/LONGITUDE:	(b) (9)	

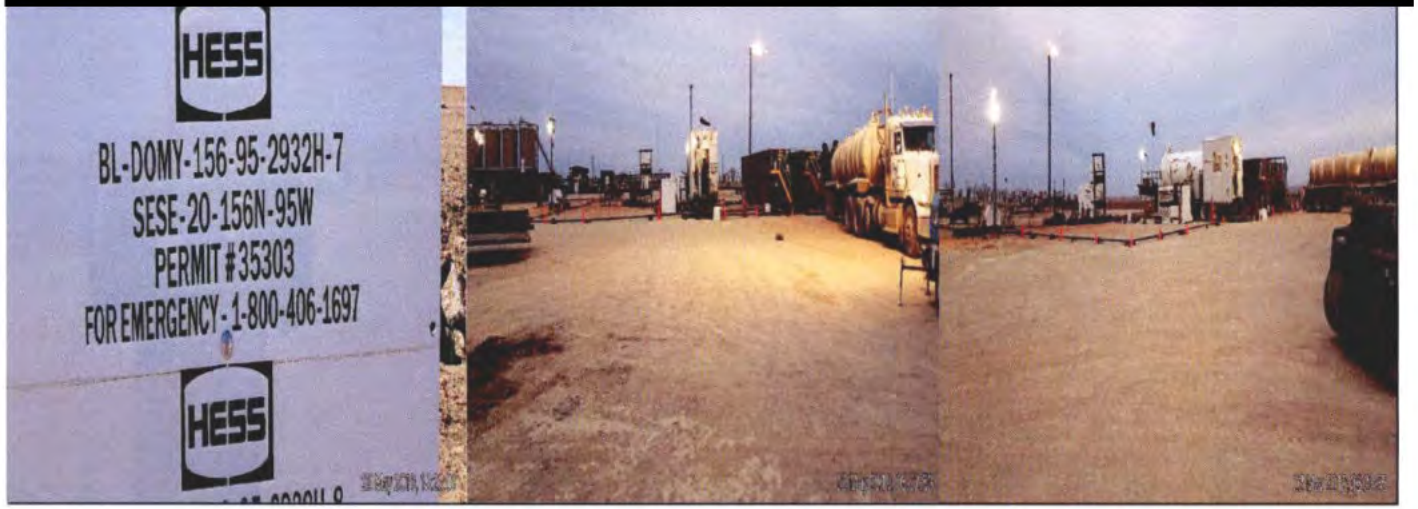
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/24/19 11:30 AM	5/24/19 1:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/24/19 1:00 PM	5/27/19 8:00 AM	0.00	0.0000
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/24/19 1:00 PM	5/27/19 8:00 AM	1.23	3.4222
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)					
Name:	Anthony Thompson	**Title:**	Site Supervisor		
Email:	anthony.thompson@technipfmc	**Phone:**	701-500-1156	**Mobile:**	701-500-1156

Digital Attachment of equipment layout

(b) (9)



HESS

40 CFR 60 SUBPART OOOO | ANNUAL REPORT

REPORTING PERIOD: 8/2/201 to 8/2/19

Date: 5/20/2019

General Information	
Company Name:	Hess Bakken LLC, II
Lease/Well:	BL-DOMY-156-95-2932H-7 API 3310504918
Coordinates:	LATITUDE /LONGITUDE: (b) (9)

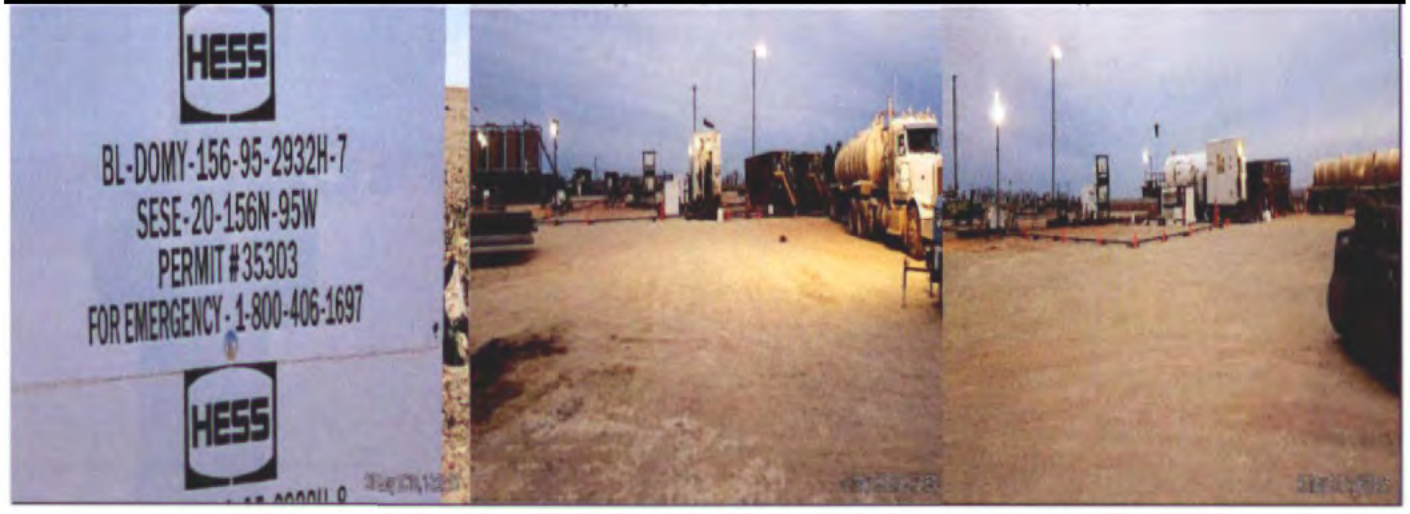
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/24/19 11:30 AM	5/24/19 1:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/24/19 1:00 PM	5/27/19 8:00 AM	0.00	0.0000
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/24/19 1:00 PM	5/27/19 8:00 AM	1.23	3.4222
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)					
Name:	Anthony Thompson	Title:	Site Supervisor		
Email:	anthony.thompson@technipfmc	Phone:	701-500-1156	Mobile:	701-500-1156

Digital Attachment of equipment layout

(b) (9)



HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 5/20/2019

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	BL-DOMY-156-95-2932H-8 API: 33105040[redacted]
Coordinates:	LATITUDE / LONGITUDE [redacted]

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/27/19 11:30 AM	5/27/19 1:00 PM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/27/19 1:00 PM	5/30/19 8:00 AM	0.00	0.0000

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/27/19 1:00 PM	5/30/19 8:00 AM	0.76	1.9910

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/30/19 8:00 AM	5/30/19 8:00 AM	0.00	0.0000

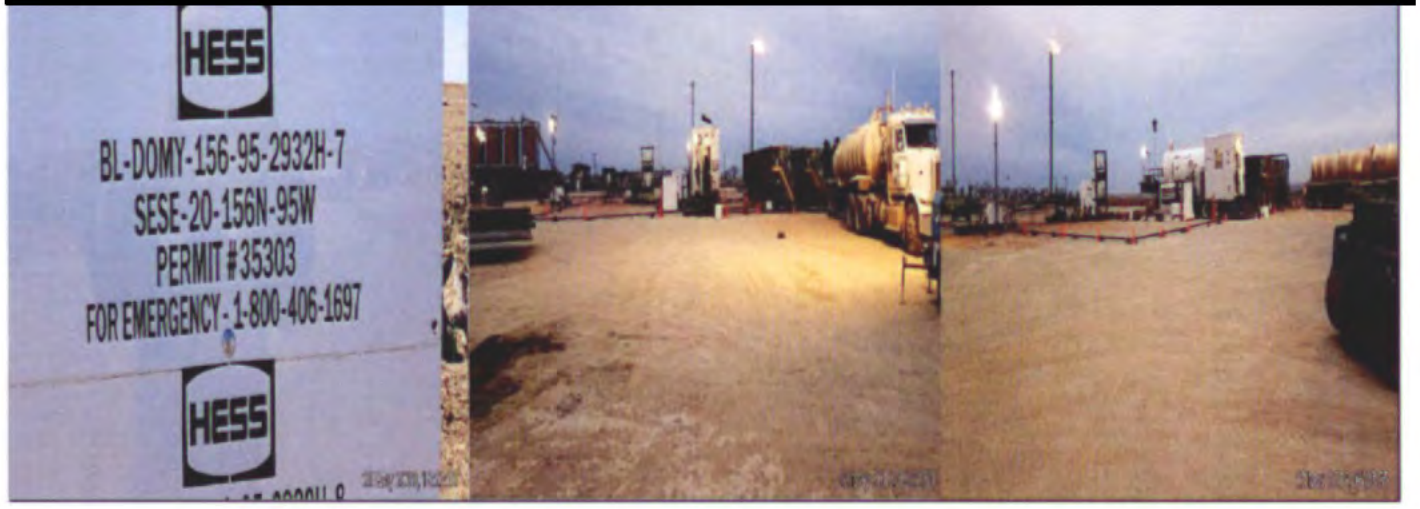
Comments:

Responsible Party (1)

Name:	Anthony Thompson	**Title:**	Site Supervisor		
Email:	anthony.thompson@technipfmc	**Phone:**	701-500-1156	**Mobile:**	701-500-1156

Digital Attachment of equipment layout

(b) (9) [redacted]



HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 5/20/2019

General Information	
Company Name:	Hess Bakken LLC, II
Lease/Well:	BL-Donny-156-95-2932H-9 API 33-053-04920
Coordinates:	LATITUDE/LONGITUDE: (b) (9)

Initial Flowback

Start: Date & Time	End: Date & Time	Rate: MMscf/d	Amount: MMscf
5/30/19 1:00 PM	5/30/19 2:00 PM	0.00	0.0000

Initial Production - Flare (Separator)

Start: Date & Time	End: Date & Time	Rate: MMscf/d	Amount: MMscf
5/30/19 2:00 PM	6/2/19 8:00 AM	0.00	0.0000

Initial Production - Flare (Facilities)

Start: Date & Time	End: Date & Time	Rate: MMscf/d	Amount: MMscf
5/30/19 2:00 PM	6/2/19 8:00 AM	1.42	3.8927

Production through Facilities

Start: Date & Time	End: Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (ies)

Name:	Anthony Thompson	**Title:**	Site Supervisor		
Email:	Anthony.thompson@technipfmc.com	**Phone:**	701-500-1156	**Mobile:**	701-500-1156

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 5/20/2019

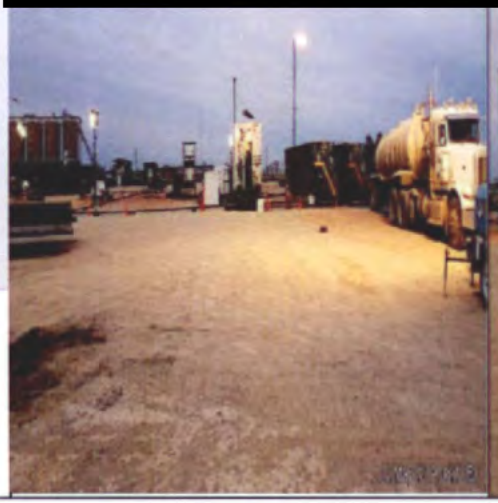
General Information			
Company Name:	Hess Bakken LLC, II	API 33105034921	
Lease/Well:	BL-DOMY-156-95-2932H-10		
Coordinates:	LATITUDE / LONGITUDE (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/2/19 12:00 PM	6/2/19 5:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/5/17 2:00 AM	6/5/19 8:00 AM	0.00	0.0000
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/5/17 2:00 AM	6/5/19 8:00 AM	0.94	2.3783
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/5/19 8:00 AM	6/5/19 9:00 AM	0.00	0.0000
Comments:			
Responsible Party (?)			
Name:	Anthony Thompson	**Title:** Site Supervisor	
Email:	Anthony.thompson@technipfmc	**Phone:** 701-500-1156	**Mobile:** 701-500-1156

Digital Attachment of equipment layout

HESS

BL-DOMY-156-95-2932H-10
SESE-20-156N-95W
PERMIT #35306
FOR EMERGENCY - 1-800-406-1697

(b) (9)



Version 20180102S

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY

Company Name	Hess Corporation
Well Name	CA-ANDERSON SMITH-155-96-2535H-2
API Number	
Frac Work Team	C
Field	CA
Formation	TF
Acres (Acres)	1280
Date on Location	2/28/2019
Initial Flowback Date	3/11/19 2:00 PM
Flowback Company	TechnipFMC
Responsible Contractor	Joshua Turmon
Phone Contact	701-389-9367
Initial Shut-in Tubing Pressure (Psi)	1,577 PSI

FRAC JOB SUMMARY

Type Frac Job	Hydraulic Frac	
TOTAL Clean Fluid Pumped	16,737,700	BBLS
TOTAL Sand Pumped	9,923,221	LBS
Proposed # Stages	35	Stages
Effective # Stages	35	Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
Flowback Crew / Hess FB Supervisor
Flowback
Automatic

Event Phase	Date MM/DD/YY TIME	Remarks	Flared Gas Rate (FB) MMscfd	Sales Gas Rate MMscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psi(g)	Choke Size in (# /64)
	3/14/19 8:00 PM	Report start time	0.00	0.00	0	0	1577	0
Standard Work	3/11/19 8:30 AM	(8:30) Awaiting for Braun Trucking to arrive for service work, pull lines.						
Standard Work	3/11/19 9:00 AM	(9:30) Service truck arrives. Begin Pulling lines.					1572	
Standard Work	3/11/19 10:00 AM	(10:00) Begin RDMO process.					1572	
Standard Work	3/11/19 11:00 AM	(11:00) Arp testing arrives. (11:30) Arp pressure test begins. High test 4,500 psi(g), Low Test 500 psi(g).					1572	
Standard Work	3/11/19 12:00 PM	(12:30) Pressure test complete. TFMC ready for opening.					1572	
NPT	3/11/19 1:00 PM	(1:00) Flare KnockOut High temp. Pad shut down, waiting for RO to arrive to fix issue.					1573	
NPT	3/11/19 2:00 PM						1573	
NPT	3/11/19 3:00 PM						1572	
NPT	3/11/19 4:00 PM						1575	
Initial Flowback	3/11/19 4:30 PM	(4:30) Open Well to flow on a 18/64" choke through the bypass to the open top with an IOP of 1,577 psi(g). (4:45) Divert flow to HS0009. Gas to Surface.					1577	18
Initial Flowback	3/11/19 5:00 PM	(5:15) Divert back to open top to unload water. (5:45) Divert flow to HS0009. Gas to surface				34	279	18
Initial Flowback	3/11/19 6:00 PM	(6:00) Increase choke to 20/64"	0.23		11	46	433	18
Initial Flowback	3/11/19 7:00 PM	(7:00) Increase choke to 22/64"	0.57		11	108	837	20
Initial Production	3/11/19 7:05 PM	(7:05) Oil to Production on a 22/64" choke with a WHP of 837 psi(g)						
Initial Production	3/11/19 8:00 PM	(8:00) Increase choke to 24/64" Water Weight = 9.9 ppg Oil API = 43.85 @ 60°F	0.96	0.00	2	64	803	22
Initial Production	3/11/19 9:00 PM	(9:00) Increase choke to 26/64"	0.88	0.00	4	91	658	24
Initial Production	3/11/19 10:00 PM	(10:00) Increase choke to 28/64"	0.71	0.00	6	79	670	26
Initial Production	3/11/19 11:00 PM	(11:00) Increase choke to 30/64"	0.78	0.00	11	84	856	28
Initial Production	3/12/19 12:00 AM	(12:00) increase choke to 32/64" Water Weight = 9.9 ppg Oil API = 43.35 @ 60°F H2S = 0 ppm	0.57	0.00	12	83	867	30
Initial Production	3/12/19 1:00 AM	(1:00) Increase choke to 34/64"	0.74	0.00	18	93	897	32
Initial Production	3/12/19 2:00 AM	(2:00) Increase choke to 36/64"	0.91	0.00	25	86	852	34
Initial Production	3/12/19 3:00 AM	(3:00) Increase choke to 38/64"	0.85	0.00	23	120	827	36
Initial Production	3/12/19 4:00 AM	(4:00) Increase choke to 40/64" Water Weight = 9.9 ppg Oil API = 43.14 @ 60°F	1.02	0.00	28	109	837	38
Initial Production	3/12/19 5:00 AM	(5:00) Increased choke to 42/64"	1.29	0.00	36	102	890	40
Initial Production	3/12/19 6:00 AM	(6:00) Increase choke to 44/64"	1.42	0.00	40	108	878	42
Initial Production	3/12/19 7:00 AM	(7:00) Increase choke to 46/64"	1.53	0.00	41	108	871	44
Initial Production	3/12/19 8:00 AM	(8:00) Increase choke to 48/64" Water Weight = 9.9 ppg Oil API = 42.9 @ 60°F	1.85	0.00	46	114	909	46
Initial Production	3/12/19 9:00 AM		1.79	0.00	50	114	917	48
Initial Production	3/12/19 10:00 AM		1.92	0.00	57	119	915	48
Initial Production	3/12/19 11:00 AM		1.98	0.00	57	109	930	48
Initial Production	3/12/19 12:00 PM	Water Weight = 9.9 ppg Oil API = 43.79 @ 60°F H2S = 0 ppm	2.03	0.00	59	113	938	48
Initial Production	3/12/19 1:00 PM		2.05	0.00	61	109	916	48
Initial Production	3/12/19 2:00 PM		2.08	0.00	64	115	936	48
Initial Production	3/12/19 3:00 PM		2.07	0.00	63	99	964	48
Initial Production	3/12/19 4:00 PM	Water Weight = 9.9 ppg Oil API = 42.9 @ 60°F	2.19	0.00	62	100	968	48
Initial Production	3/12/19 5:00 PM	(5:00) Increased choke to 50/64"	2.13	0.00	64	109	1008	50
Initial Production	3/12/19 6:00 PM		2.24	0.00	68	94	987	50
Initial Production	3/12/19 7:00 PM		2.48	0.00	67	98	967	50
Initial Production	3/12/19 8:00 PM	Water Weight = 9.9 ppg Oil API = 42.82 @ 60°F	2.50	0.00	74	99	989	50
Initial Production	3/12/19 9:00 PM		2.52	0.00	70	98	964	50
Initial Production	3/12/19 10:00 PM		2.54	0.00	79	104	967	50
Initial Production	3/12/19 11:00 PM		2.42	0.00	71	94	965	50
Initial Production	3/13/19 12:00 AM	Water Weight = 9.9 ppg Oil API = 43.49 @ 60°F H2S = 0 ppm	2.41	0.00	75	94	1012	50
Initial Production	3/13/19 1:00 AM		2.40	0.00	73	101	1008	50
Initial Production	3/13/19 2:00 AM		2.56	0.00	63	93	975	50

Initial Production	3/13/19 3:00 AM		2.66	0.00	72	98	985	50
Initial Production	3/13/19 4:00 AM	Water Weight = 9.9 ppg Oil API = 42.48 @ 60°F	2.70	0.00	70	96	992	50
Initial Production	3/13/19 5:00 AM		2.63	0.00	78	93	956	50
Initial Production	3/13/19 6:00 AM		2.66	0.00	78	93	957	50
Initial Production	3/13/19 7:00 AM		2.63	0.00	77	103	953	50
Initial Production	3/13/19 8:00 AM	Water Weight = 9.9 ppg Oil API =41.46 @ 60°F	2.57	0.00	69	89	950	50
Initial Production	3/13/19 9:00 AM		2.55	0.00	73	93	960	50
Initial Production	3/13/19 10:00 AM		2.54	0.00	70	107	944	50
Initial Production	3/13/19 11:00 AM		2.55	0.00	73	94	945	50
Initial Production	3/13/19 12:00 PM	Water Weight = 9.9 ppg Oil API = 40.91 @ 60°F H2S = 0 ppm	2.59	0.00	75	92	940	50
Initial Production	3/13/19 1:00 PM		2.55	0.00	76	93	948	50
Initial Production	3/13/19 2:00 PM		2.53	0.00	72	89	933	50
Initial Production	3/13/19 3:00 PM		2.57	0.00	75	94	938	50
Initial Production	3/13/19 4:00 PM	Water Weight = 9.9 ppg Oil API =41.46 @ 60°F	2.63	0.00	73	91	940	50
Initial Production	3/13/19 5:00 PM		2.57	0.00	75	88	932	50
Initial Production	3/13/19 6:00 PM		2.63	0.00	80	94	930	50
Initial Production	3/13/19 7:00 PM		2.63	0.00	72	87	964	50
Initial Production	3/13/19 8:00 PM	Water Weight = 9.9 ppg Oil API =42.57 @ 60°F	2.54	0.00	72	86	958	50
Initial Production	3/13/19 9:00 PM		2.49	0.00	70	88	938	50
Initial Production	3/13/19 10:00 PM		2.48	0.00	71	83	934	50
Initial Production	3/13/19 11:00 PM		2.51	0.00	70	92	934	50
Initial Production	3/14/19 12:00 AM	Water Weight = 9.9 ppg Oil API = 42.42 @ 60°F H2S = 0 ppm	2.55	0.00	72	83	936	50
Initial Production	3/14/19 1:00 AM		2.56	0.00	68	88	927	50
Initial Production	3/14/19 2:00 AM		2.54	0.00	73	87	911	50
Initial Production	3/14/19 3:00 AM		2.66	0.00	72	90	909	50
Initial Production	3/14/19 4:00 AM	Water Weight = 9.9 ppg Oil API =42.57 @ 60°F	2.60	0.00	71	91	905	50
Initial Production	3/14/19 5:00 AM		2.64	0.00	70	92	899	50
Initial Production	3/14/19 6:00 AM		2.66	0.00	76	82	908	50
Initial Production	3/14/19 7:00 AM		2.70	0.00	68	89	900	50
Initial Production	3/14/19 8:00 AM	Water Weight = 9.9 ppg Oil API - 41.69 @ 60°F	2.67	0.00	73	97	913	50
Initial Production	3/14/19 9:00 AM		2.66	0.00	71	81	903	50
Initial Production	3/14/19 10:00 AM		2.68	0.00	69	90	898	50
Initial Production	3/14/19 11:00 AM		2.67	0.00	71	92	891	50
Initial Production	3/14/19 12:00 PM	Water Weight = 9.9 ppg Oil API = 42.46 @ 60°F H2S = 0 ppm	2.63	0.00	72	85	901	50
Initial Production	3/14/19 1:00 PM		2.59	0.00	69	95	949	50
Initial Production	3/14/19 2:00 PM		2.01	0.00	60	72	991	50
Initial Production	3/14/19 3:00 PM		2.56	0.00	58	65	909	50
Initial Production	3/14/19 4:00 PM	Water Weight = 9.9 ppg Oil API 43.05 @ 60°F	2.62	0.00	74	86	887	50
Initial Production	3/14/19 5:00 PM		2.64	0.00	70	90	891	50
Initial Production	3/14/19 6:00 PM		2.67	0.00	74	85	896	50
Initial Production	3/14/19 7:00 PM		2.66	0.00	75	96	890	50
Initial Production	3/14/19 8:00 PM	Water Weight = 9.9 ppg Oil API = 42.51	2.66	0.00	72	89	879	50
Initial Production	3/14/19 9:00 PM		2.70	0.00	72	91	881	50
Initial Production	3/14/19 10:00 PM		2.69	0.00	71	87	890	50
Initial Production	3/14/19 11:00 PM		2.68	0.00	74	91	889	50
Initial Production	3/15/19 12:00 AM	Water Weight = 9.9 ppg Oil API = 43.03 H2S = 0 ppm	2.67	0.00	74	74	870	50
Initial Production	3/15/19 1:00 AM		2.66	0.00	72	80	871	50
Initial Production	3/15/19 2:00 AM		2.68	0.00	75	86	887	50
Initial Production	3/15/19 3:00 AM		2.67	0.00	73	84	886	50
Initial Production	3/15/19 4:00 AM	Water Weight =9.9 ppg Oil API = 42.25	2.68	0.00	73	97	885	50
Initial Production	3/15/19 5:00 AM		2.67	0.00	76	87	884	50
Initial Production	3/15/19 6:00 AM		2.70	0.00	69	81	886	50
Initial Production	3/15/19 7:00 AM		2.72	0.00	79	87	883	50
Flowback operations complete	3/15/19 8:00 AM	(8:03) Turned over to Production on a TFMC 50/64" choke to Production 35/64" choke at 894 psi(g). Manifold sand sample = 0.01% Water Weight =9.9 ppg Oil API = 42.78	2.72	0.00	72	85	880	50

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY

[illegible]	[illegible]

FRAC JOB SUMMARY

[illegible]	[illegible]	BBLS
[illegible]	[illegible]	LBS
[illegible]	40	Stages
[illegible]	40	Stages

Data Completed By:

Event Phase	Date MM/DD/YY TIME	Remarks
	[illegible]	Report start time
Standard Work	[illegible]	[illegible]
Standard Work	[illegible]	[illegible]
Standard Work	[illegible]	[illegible]
Standard Work	[illegible]	[illegible]
NPT	[illegible]	[illegible]
NPT	[illegible]	
NPT	[illegible]	
Initial Flowback	[illegible]	[illegible]
Initial Production	[illegible]	[illegible]
Initial Production	[illegible]	[illegible]
Well Shut In	[illegible]	[illegible]
NPT	[illegible]	[illegible]
Initial Production	[illegible]	[illegible]
Flowback operations complete	[illegible]	[illegible]

Version 201801025

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY	
Company Name	Hess Corporation
Well Name	CA ANDERSON SMITH-155-96-2635H-4
API Number	
Area Work Team	B
Field	CA
Formation	TF
Area (Acres)	1280
Date on Location	2/26/2019
Initial Flowback Date	3/7/19 2:00 PM
Flowback Company	TechnipFMC
Responsible Contractor	Josh Turmon
Phone Contact	701-389-9067
Initial Shut-in Tubing Pressure (PSI)	1,194 PSI

FRAC JOB SUMMARY		
Type Frac Job	Hydraulic Frac	
TOTAL Clean Fluid Pumped	170,284	BBLS
TOTAL Sand Pumped	9,979,817	LBS
Proposed # Stages	35	Stages
Effective # Stages	35	Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
Flowback Crew / Hess FB Supervisor
Flowback
Automatic

Event Phase	Date MM/DD/YY - TIME	Remarks	Flared Gas Rate (FB) MMscfd	Sales Gas Rate MMscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psig	Choke Size in (# /64)	Salinity ppm	Sand %	Trip Temp °F	Static psig	Meter Temp °F	Diff inH2O	Plate in	Intermediate Casing	Surface Casing	H-2 Pressure
Standard Work	3/7/19 9:00 AM	(9:00) TFMC Begin RDMO process					1150											950
Standard Work	3/7/19 10:00 AM						1150											950
Standard Work	3/7/19 11:00 AM						1150											950
Standard Work	3/7/19 12:00 PM	(12:00) Continue RDMO Process					1150											950
Standard Work	3/7/19 1:00 PM						1174											950
Standard Work	3/7/19 2:00 PM						1175											950
Standard Work	3/7/19 3:00 PM						1190											950
Standard Work	3/7/19 4:00 PM						1194											950
Initial Flowback	3/7/19 5:00 PM	(5:10) Open Well to flow on a 18/64" choke with an IOP of 1194 psig through the bypass to the open top.					1194	18	280,000	0.01	45					50	0	1000
Initial Flowback	3/7/19 6:50 PM	(6:50) Increase choke to 20/64" (6:55) Divert flow to H30089 once gas and oil reached surface.				154	689	18	300,000	0.01	72					200	0	1050
Initial Production	3/7/19 6:20 PM	(6:20) Oil to Production on a 20/64"					649										0	1050
Initial Production	3/7/19 7:00 PM	(7:00) Increase choke to 22/64"	0.45	0.00	2	73	558	20	300,000	0.01	120	101	55	1.4	1.375	350	0	1050
Initial Production	3/7/19 8:00 PM	(8:00) Increase choke to 24/64" Water Weight = 10 ppg Oil API = 43.05 @ 60°F	0.34	0.00	6	81	808	22	300,000	0.02	129	11	73	1.1	1.375	50	50	1075
Initial Production	3/7/19 9:00 PM	(9:00) Increase choke to 26/64"	0.46	0.00	17	46	925	24	300,000	0.01	128	102	71	2.2	1.375	50	0	1100
Initial Production	3/7/19 10:00 PM	(10:00) Increase choke to 28/64"	0.69	0.00	11	70	952	26	300,000	0.01	130	168	96	2.4	1.375	250	83	1200
Initial Production	3/7/19 11:00 PM	(11:00) Increase choke to 30/64"	0.55	0.00	19	70	878	28	300,000	0.01	139	163	102	2.9	1.375	0	10	1300
Initial Production	3/8/19 12:00 AM	(12:00) Increase choke to 32/64" Water Weight = 10 ppg Oil API = 42.62 @ 60°F H2S = 0 ppm	0.58	0.00	23	73	901	30	300,000	0.01	143	170	111	4.6	1.375	400	25	1350
Initial Production	3/8/19 1:00 AM		0.79	0.00	28	90	928	32	300,000	0.04	150	148	118	6.2	1.375	450	73	1350
Initial Production	3/8/19 2:00 AM		0.79	0.00	30	101	951	32	300,000	0.06	155	150	123	6.8	1.375	0	0	1350
Initial Production	3/8/19 3:00 AM		0.84	0.00	34	97	974	32	300,000	0.1	154	166	130	6.4	1.375	100	88	1350
Initial Production	3/8/19 4:00 AM	Water Weight = 10 ppg Oil API = 43.85 @ 60°F	0.69	0.00	22	97	1005	32	300,000	0.08	156	170	132	7.2	1.375	0	50	1350
Initial Production	3/8/19 5:00 AM		1.10	0.00	30	101	1017	32	300,000	0.03	161	165	134	8.0	1.375	0	50	1450
Initial Production	3/8/19 6:00 AM		1.10	0.00	32	85	1049	32	290,000	0.03	158	137	130	13	1.375	0	2	
Initial Production	3/8/19 7:00 AM		1.10	0.00	30	89	1061	32	290,000	0.03	161	142	137	13	1.375	0	182	1500
Initial Production	3/8/19 8:00 AM	(8:00) Increase choke to 34/64" Water Weight = 10 ppg Oil API = 40.64 @ 60°F	1.20	0.00	20	86	1082	32	290,000	0.03	160	148	136	13	1.375	25	210	1550
Initial Production	3/8/19 9:00 AM	(9:00) Increase choke to 36/64"	1.20	0.00	36	98	1079	34	290,000	0.03	161	169	140	13	1.375	50	79	1600
Initial Production	3/8/19 10:00 AM	(10:00) Increase choke to 38/64"	1.20	0.00	41	93	1089	36	290,000	0.05	162	167	140	13	1.375	200	133	1600
Initial Production	3/8/19 11:00 AM	(11:00) Increase choke to 40/64"	1.50	0.00	47	93	1063	38	290,000	0.05	163	167	138	13	1.375	200	78	1600
Initial Production	3/8/19 12:00 PM	Water Weight = 10 ppg Oil API = 41.3 @ 60°F H2S = 0 ppm	1.90	0.00	50	113	1064	40	290,000	0.05	170	173	139	32	1.375	150	76	1600
Initial Production	3/8/19 1:00 PM		1.90	0.00	57	100	1064	40	294,000	0.05	167	177	154	33	1.375	150	100	1600
Initial Production	3/8/19 2:00 PM	(2:00) Increase choke to 42/64"	1.90	0.00	55	100	1071	40	294,000	0.16	168	180	155	33	1.375	150	100	1600
Initial Production	3/8/19 3:00 PM		1.90	0.00	61	110	1071	42	294,000	0.12	168	182	155	33	1.375	150	100	1600
Initial Production	3/8/19 4:00 PM	Water Weight = 10 ppg Oil API = 40.64 @ 60°F	1.90	0.00	63	101	1079	42	296,000	0.15	171	181	154	33	1.375	150	100	1600
Initial Production	3/8/19 5:00 PM		2.10	0.00	65	103	1087	42	294,000	0.1	170	208	158	36	1.375	100	19	1600
Initial Production	3/8/19 6:00 PM		2.22	0.00	64	100	1104	42	294,000	0.1	177	216	154	36	1.375	100	43	1600
Initial Production	3/8/19 7:00 PM		2.30	0.00	67	104	1116	42	294,000	0.06	178	203	155	41	1.375	200	46	1600
Initial Production	3/8/19 8:00 PM	Water Weight = 10 ppg Oil API = 43.06 @ 60°F	2.30	0.00	62	101	1095	42	294,000	0.08	179	206	155	43	1.375	200	43	1600
Initial Production	3/8/19 9:00 PM		2.29	0.00	69	102	1106	42	294,000	0.07	177	204	152	40	1.375	200	44	1600
Initial Production	3/8/19 10:00 PM		2.37	0.00	68	93	1099	42	294,000	0.06	176	216	154	46	1.375	250	43	1600
Initial Production	3/8/19 11:00 PM		2.36	0.00	71	100	1116	42	294,000	0.07	178	221	156	42	1.375	250	42	1600
Initial Production	3/9/19 12:00 AM	Water Weight = 10 ppg Oil API = 42.44 @ 60°F H2S = 0 ppm	2.32	0.00	67	108	1106	42	294,000	0.06	177	212	155	40	1.375	250	56	1600
Initial Production	3/9/19 1:00 AM		2.27	0.00	65	100	1140	42	294,000	0.06	179	218	157	42	1.375	100	79	1600

Initial Production	3/9/19 2:00 AM		2.31	0.00	80	93	1155	42	294,000	0.05	178	218	156	40	1.375	200	110	1600
Initial Production	3/9/19 3:00 AM		2.32	0.00	82	101	1134	42	294,000	0.06	177	216	155	38	1.375	250	25	1600
Initial Production	3/9/19 4:00 AM	Water Weight = 10 ppg Oil API = 42.42 @ 60°F	2.33	0.00	62	90	1124	42	294,000	0.06	179	220	156	40	1.375	250	50	1600
Initial Production	3/9/19 5:00 AM		2.30	0.00	77	81	1138	42	290,000	0.04	177	212	158	38	1.375	250	180	1600
Initial Production	3/9/19 6:00 AM		2.30	0.00	73	71	1148	42	290,000	0.06	175	212	158	39	1.375	250	68	1600
Initial Production	3/9/19 7:00 AM		2.30	0.00	67	98	1161	42	288,000	0.05	165	219	158	39	1.375	225	50	1600
Initial Production	3/9/19 8:00 AM	Water Weight = 9.9 ppg Oil API = 41.45 @ 60°F	2.31	0.00	66	86	1166	42	288,000	0.05	172	210	158	38	1.375	200	50	1600
Initial Production	3/9/19 9:00 AM		2.30	0.00	58	77	1238	42	288,000	0.04	170	190	132	36	1.375	200	50	1610
Initial Production	3/9/19 10:00 AM		2.30	0.00	70	79	1132	42	288,000	0.06	170	222	135	40	1.375	300	84	1610
Initial Production	3/9/19 11:00 AM		2.38	0.00	69	99	1135	42	288,000	0.05	170	227	135	40	1.375	300	78	1610
Initial Production	3/9/19 12:00 PM	Water Weight = 9.9 ppg Oil API = 41.79 @ 60°F H2S = 0 ppm	2.37	0.00	70	97	1159	42	288,000	0.05	171	223	130	40	1.375	400	100	1610
Initial Production	3/9/19 1:00 PM		2.42	0.00	71	87	1120	42	288,000	0.03	172	219	136	38	1.375	50	100	1610
Initial Production	3/9/19 2:00 PM		2.42	0.00	69	81	1157	42	288,000	0.03	170	219	134	38	1.375	50	102	1610
Initial Production	3/9/19 3:00 PM		2.32	0.00	68	84	1149	42	288,000	0.03	168	219	134	39	1.375	50	102	1610
Initial Production	3/9/19 4:00 PM	***Sand Percentage Target Met*** Water Weight = 9.9 ppg Oil API = 41.35 @ 60°F	2.37	0.00	72	85	1166	42	288,000	0.04	170	229	138	41	1.375	50	50	1610
Initial Production	3/9/19 5:00 PM		2.44	0.00	72	80	1118	42	286,000	0.03	170	231	142	40	1.375	50	0	1610
Initial Production	3/9/19 6:00 PM		2.45	0.00	70	77	1114	42	286,000	0.01	176	235	144	40	1.375	50	0	1610
Initial Production	3/9/19 7:00 PM		2.46	0.00	77	77	1110	42	286,000	0.03	177	239	148	40	1.375	50	14	1610
Initial Production	3/9/19 8:00 PM	Water Weight = 9.9 ppg Oil API = 42.50 @ 60°F	2.48	0.00	70	78	1111	42	286,000	0.02	175	240	146	40	1.375	100	46	1610
Initial Production	3/9/19 9:00 PM		2.50	0.00	73	88	1117	42	286,000	0.02	176	244	144	40	1.375	100	41	1610
Initial Production	3/9/19 10:00 PM		2.52	0.00	74	88	1107	42	286,000	0.01	177	246	148	42	1.375	100	10	1610
Initial Production	3/9/19 11:00 PM		2.54	0.00	74	79	1097	42	286,000	0.02	178	244	149	41	1.375	100	22	1610
Initial Production	3/10/19 12:00 AM	Water Weight = 9.9 ppg Oil API = 42.35 @ 60°F H2S = 0 ppm	2.63	0.00	74	87	1108	42	286,000	0.03	177	236	151	44	1.375	100	41	1610
Initial Production	3/10/19 1:00 AM	1:00 AM Standard time	2.63	0.00	70	78	1107	42	286,000	0.01	178	220	152	46	1.375	100	0	1610
Initial Production	3/10/19 3:00 AM	2:00 AM Standard Time 3:00 AM Daylight Savings Time	2.68	0.00	75	81	1111	42	286,000	0.02	179	224	153	44	1.375	100	25	1610
Initial Production	3/10/19 4:00 AM	Water Weight = 9.9 ppg Oil API = 42.21 @ 60°F	2.66	0.00	77	80	1121	42	286,000	0.02	180	218	152	48	1.375	100	0	1610
Initial Production	3/10/19 5:00 AM		2.66	0.00	77	74	1103	42	284,000	0.01	179	224	156	51	1.375	100	41	1600
Initial Production	3/10/19 6:00 AM		2.65	0.00	74	76	1100	42	284,000	0.02	177	223	149	51	1.375	100	40	1600
Initial Production	3/10/19 7:00 AM		2.65	0.00	76	81	1120	42	284,000	0.02	176	222	154	51	1.375	100	39	1600
Initial Production	3/10/19 8:00 AM	Water Weight = 9.9 ppg Oil API = 42.21 @ 60°F	2.65	0.00	75	86	1110	42	284,000	0.02	178	224	159	51	1.375	200	39	1600
Initial Production	3/10/19 9:00 AM		2.64	0.00	75	83	1108	42	288,000	0.01	179	227	162	50	1.375	200	35	1600
Initial Production	3/10/19 10:00 AM		2.65	0.00	72	84	1109	42	288,000	0.01	179	224	162	51	1.375	200	35	1600
Initial Production	3/10/19 11:00 AM		2.65	0.00	76	89	1104	42	288,000	0.01	178	225	164	51	1.375	200	35	1600
Initial Production	3/10/19 12:00 PM	Water Weight = 9.9 ppg Oil API = 42.17 @ 60°F H2S = 0 ppm	2.64	0.00	75	80	1104	42	288,000	0.01	179	227	162	51	1.375	200	35	1600
Initial Production	3/10/19 1:00 PM		2.67	0.00	75	81	1103	42	288,000	0.01	177	227	161	51	1.375	200	35	1600
Initial Production	3/10/19 2:00 PM		2.67	0.00	73	83	1109	42	288,000	0.01	176	226	0	5	1.375	200	31	1600
Initial Production	3/10/19 3:00 PM		2.70	0.00	74	87	1112	42	288,000	0.01	165	227	161	51	1.375	200	30	1600
Initial Production	3/10/19 4:00 PM	Water Weight = 9.9 ppg Oil API = 42.87 @ 60°F	2.69	0.00	74	83	1111	42	288,000	0.01	165	226	155	51	1.375	200	29	1600
Initial Production	3/10/19 5:00 PM		2.70	0.00	75	78	1110	42	286,000	0.01	167	226	156	51	1.375	200	30	1600
Initial Production	3/10/19 6:00 PM		2.78	0.00	81	87	1112	42	286,000	0.01	170	227	153	51	1.375	200	30	1600
Initial Production	3/10/19 7:00 PM		2.72	0.00	80	81	1105	42	286,000	0.01	172	227	155	50	1.375	0	33	1600
Initial Production	3/10/19 8:00 PM	Water Weight = 9.9 ppg Oil API = 42.42 @ 60°F	2.66	0.00	81	82	1107	42	286,000	0.01	175	222	155	49	1.375	25	32	1600
Initial Production	3/10/19 9:00 PM		2.67	0.00	82	82	1114	42	286,000	0.01	177	225	156	50	1.375	25	33	1594
Initial Production	3/10/19 10:00 PM		2.66	0.00	72	83	1120	42	286,000	0.01	180	224	154	50	1.375	25	30	1591
Initial Production	3/10/19 11:00 PM		2.55	0.00	60	83	1123	42	286,000	0.02	180	217	149	48	1.375	0	32	1588
Initial Production	3/11/19 12:00 AM	Water Weight = 9.9 ppg Oil API = 42.21 @ 60°F H2S = 0 ppm	2.64	0.00	69	74	1106	42	286,000	0.01	180	220	154	49	1.375	25	32	1581
Initial Production	3/11/19 1:00 AM		2.62	0.00	67	73	1107	42	286,000	0.01	181	224	155	51	1.375	0	32	1579
Initial Production	3/11/19 2:00 AM		2.65	0.00	64	78	1107	42	286,000	0.02	180	223	154	49	1.375	0	47	1577
Initial Production	3/11/19 3:00 AM		2.66	0.00	70	80	1105	42	286,000	0.01	179	223	152	50	1.375	0	49	1575
Initial Production	3/11/19 4:00 AM	Water Weight = 9.9 ppg Oil API = 42.14 @ 60°F	2.68	0.00	68	79	1104	42	286,000	0.01	178	224	155	50	1.375	0	50	1569
Initial Production	3/11/19 5:00 AM		2.63	0.00	78	86	1101	42	286,000	0.01	170	225	154	50	1.375	0	50	1569
Initial Production	3/11/19 6:00 AM		2.63	0.00	73	83	1103	42	286,000	0.01	171	227	155	50	1.375	0	50	1569
Initial Production	3/11/19 7:00 AM		2.62	0.00	72	79	1105	42	286,000	0.01	172	226	154	50	1.375	0	50	1569
Initial Production	3/11/19 8:00 AM	Water Weight = 9.9 ppg Oil API = 42.27 @ 60°F	2.63	0.00	73	77	1092	42	286,000	0.01	171	226	154	50	1.375	0	70	1569
Flowback operations complete		(8:10) Turned over to Production on a TFMC 42/64" choke to Production 38/64" choke at 1,099 psi. Manifold sand sample = 0.01%			25	36	1090	38										

Version.20180102S

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY

Company Name	Hess Corporation
Well Name	CA-ANDERSON SMITH-155-96-2635H-5
API Number	
Area Work Team	C
Field	CA
Formation	MB
Area (Acres)	1280
Date on Location	3/6/2019
Initial Flowback Date	3/7/19 9:00 AM
Flowback Company	TechnipFMC
Responsible Contractor	Joshua Turmon
Phone Contact	701-389-9367
Initial Shut-in Tubing Pressure (Psi)	1,337 PSI

FRAC JOB SUMMARY

Type Frac Job	Hydraulic Frac	
TOTAL Clean Fluid Pumped	166,681	BBLS
TOTAL Sand Pumped	10,000,235	LBS
Proposed # Stages	35	Stages
Effective # Stages	33	Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
Flowback Crew / Hess FB Supervisor
Flowback
Automatic

Event Phase	Date MM/DD/YY TIME	Remarks	Flared Gas Rate (FB) MMscfd	Sales Gas Rate MMscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psi(g)	Choke Size in (# /64)	Salinity ppm	Sand %	Tbg Temp °F	Static psig	Meter Temp °F	Diff inH2O	Plate in.	Intermediate Casing	Surface Casing	H-3 Pressure	H-1 Pressure
Standard Work	3/6/19 10:00 AM	(10:00) TPMC team arrives on location. Stages equipment and begins rigging in.					1295											1110	1495
Standard Work	3/6/19 11:00 AM						1295											1110	1495
Standard Work	3/6/19 12:00 PM						1295											1110	1495
Standard Work	3/6/19 1:00 PM						0											1110	1495
Standard Work	3/6/19 2:00 PM						0											1110	1495
Standard Work	3/6/19 3:00 PM						0											1110	1495
Standard Work	3/6/19 4:00 PM						0											1110	1495
Standard Work	3/6/19 5:00 PM						1300											1125	1500
Standard Work	3/6/19 6:00 PM						1300											1125	1500
Standard Work	3/6/19 7:00 PM						1300											1130	1500
Standard Work	3/6/19 8:00 PM						1300											1140	1500
Standard Work	3/6/19 9:00 PM						1300											1150	1500
Standard Work	3/6/19 10:00 PM						1300											1150	1500
Standard Work	3/6/19 11:00 PM						1300											1150	1500
Standard Work	3/7/19 12:00 AM						1300											1150	1500
Standard Work	3/7/19 1:00 AM						1300											1150	1500
Standard Work	3/7/19 2:00 AM						1300											1150	1500
Standard Work	3/7/19 3:00 AM						1300											1150	1500
Standard Work	3/7/19 4:00 AM	(4:00) Continue Rigging In					1300											1150	1500
Standard Work	3/7/19 5:00 AM						1300												
Standard Work	3/7/19 6:00 AM						1300												
Standard Work	3/7/19 7:00 AM						1300												
Standard Work	3/7/19 8:00 AM						1300												
Standard Work	3/7/19 9:00 AM						1324												
Standard Work	3/7/19 10:00 AM						1327												
Standard Work	3/7/19 11:00 AM	(11:00) Begin Pressure test. High pressure at 4500 psi(g), and 500 psi(g) low pressure test.					1327												
Standard Work	3/7/19 12:00 PM						1337												
Initial Flowback	3/7/19 12:15 PM	(12:15) Open Well to flow on a 18/64" choke through the bypass to the open top with an IOP of 1,337 psi(g). (12:19) Divert flow to HS0085, Gas to Surface. (12:33) Divert back to open top to unload water. (12:55) Divert flow to HS0085, Gas to surface.					1337	18	280,000	0.01									
Initial Flowback	3/7/19 1:00 PM	(1:00) Increase choke to 20/64"	0.88	0.00	0	30	1788	18	280,000	0.01	57	200	62	5	1.375	400	0	1150	1500
Initial Flowback	3/7/19 2:00 PM	(2:00) Increase choke to 22/64"	1.40	0.00	13	75	1781	20	280,000	0.01	59	210	61	5	1.375	200	0	1150	1500
Initial Flowback	3/7/19 3:00 PM	(3:00) Increase choke to 24/64"	1.50	0.00	46	46	1432	22	280,000	0.01	60	200	63	5	1.375	200	0	1150	1500
Initial Production	3/7/19 3:10 PM	(3:10) Oil to Production on a 24/64" choke with a WHP of 1,420 psi(g)								0.01									
Initial Production	3/7/19 4:00 PM	(4:00) Increase choke to 26/64"	1.80	0.00	23	52	1423	24	280,000	0.01	68	215	64	5	1.375	100	0	1150	1500
Initial Production	3/7/19 5:00 PM	(5:00) Increase choke to 28/64"	1.66	0.00	43	60	1447	26	280,000	0.01	77	233	68	12	1.375	200	0	1200	1450
Initial Production	3/7/19 6:00 PM	(6:00) Increase choke to 30/64"	1.67	0.00	61	61	1452	28	278,000	0.01	82	247	78	17	1.375	0	0	1200	1450
Initial Production	3/7/19 7:00 PM	(7:00) Increase choke to 32/64"	1.62	0.00	57	82	1442	30	278,000	0.01	78	201	84	30	1.375	300	0	1200	1400
Initial Production	3/7/19 8:00 PM	(8:00) Increase choke to 34/64" Water Weight = 9.9 ppg Oil API = 44.50 @ 60°F	2.08	0.00	65	93	1397	32	274,000	0.01	85	242	86	31	1.375	0	0	1200	1400
Initial Production	3/7/19 9:00 PM	(9:00) Increase choke to 36/64"	2.30	0.00	74	77	1339	34	272,000	0.05	105	277	95	31	1.375	350	1	1250	1400
Initial Production	3/7/19 10:00 PM	(10:00) Increase choke to 38/64"	2.55	0.00	77	70	1314	36	268,000	0.09	108	286	98	36	1.375	200	0	1250	1375
Initial Production	3/7/19 11:00 PM		2.68	0.00	84	88	1264	38	268,000	0.15	112	306	109	40	1.375	0	0	1250	1375
Initial Production	3/8/19 12:00 AM	Water Weight = 9.8 ppg Oil API = 43.19 @ 60°F H2S = 0 ppm	2.76	0.00	84	89	1253	38	268,000	0.2	111	316	106	40	1.375	100	1	1300	1375
Initial Production	3/8/19 1:00 AM		2.80	0.00	83	75	1235	38	268,000	0.2	108	288	108	46	1.375	100	0	1300	1350
Initial Production	3/8/19 2:00 AM		2.97	0.00	81	90	1245	38	268,000	0.3	109	231	107	51	1.375	0	20	1400	1200
Initial Production	3/8/19 3:00 AM		2.99	0.00	86	77	1243	38	268,000	0.25	111	211	108	52	1.375	100	20	1400	1200
Initial Production	3/8/19 4:00 AM	Water Weight = 9.8 ppg Oil API = 43.35 @ 60°F	3.01	0.00	82	79	1252	38	268,000	0.2	122	219	116	48	1.375	200	25	1400	1200
Initial Production	3/8/19 5:00 AM		3.02	0.00	85	83	1263	38	268,000	0.5	119	217	113	72	1.375	0	2	1450	1000
Initial Production	3/8/19 6:00 AM		2.97	0.00	89	73	1268	38	268,000	0.3	116	212	101	72	1.375	0	6	1500	1000
Initial Production	3/8/19 7:00 AM		2.98	0.00	92	77	1256	38	268,000	0.2	130	212	117	73	1.375	0	6	1550	1000
Initial Production	3/8/19 8:00 AM	Water Weight = 9.8 ppg Oil API = 42.14 @ 60°F	2.98	0.00	78	76	1256	38	268,000	0.15	128	214	115	73	1.375	0	7	1600	0
Initial Production	3/8/19 9:00 AM		3.00	0.00	81	70	1254	38	262,000	0.15	147	214	117	73	1.375	0	7	1650	0
Initial Production	3/8/19 10:00 AM		2.99	0.00	87	82	1255	38	262,000	0.07	162	214	143	72	1.375	0	7	1700	0
Initial Production	3/8/19 11:00 AM		2.71	0.00	75	75	1245	38	262,000	0.07	164	220	142	68	1.375	0	7	1800	0
Initial Production	3/8/19 12:00 PM	Water Weight = 9.8 ppg Oil API = 42.88 @ 60°F H2S = 0 ppm	2.97	0.00	80	69	1257	38	262,000	0.07	168	207	145	67	1.375	0	7	1950	0

Initial Production	3/8/19 1:00 PM		2.97	0.00	82	74	1250	38	262,000	0.3	161	225	148	68	1.375	0	7	2100	0
Initial Production	3/8/19 2:00 PM		2.94	0.00	82	83	1247	38	262,000	0.07	171	267	148	65	1.375	0	7	2100	0
Initial Production	3/8/19 3:00 PM		2.94	0.00	83	61	1244	38	262,000	0.05	173	207	148	64	1.375	0	7	2100	0
Initial Production	3/8/19 4:00 PM	Water Weight = 9.8 ppg Oil API = 42.35 @ 60°	2.81	0.00	78	56	1243	38	262,000	0.03	174	205	147	68	1.375	0	7	2100	0
Initial Production	3/8/19 5:00 PM		2.95	0.00	84	67	1230	38	262,000	0.05	172	228	150	67	1.375	0	5	2100	1000
Initial Production	3/8/19 6:00 PM		3.02	0.00	82	63	1233	38	262,000	0.06	167	231	147	68	1.375	182	3	2100	1000
Initial Production	3/8/19 7:00 PM		2.98	0.00	72	64	1245	38	262,000	0.07	170	229	152	67	1.375	185	0	2100	1000
Initial Production	3/8/19 8:00 PM	Water Weight = 9.8 ppg Oil API = 43.49 @ 60°	2.60	0.00	84	76	1247	38	260,000	0.05	173	227	155	68	1.375	3	0	2100	1000
Initial Production	3/8/19 9:00 PM		2.63	0.00	83	65	1236	38	260,000	0.08	173	226	150	67	1.375	15	0	2100	1000
Initial Production	3/8/19 10:00 PM		2.80	0.00	80	75	1238	38	260,000	0.06	174	209	147	62	1.375	13	0	2100	1000
Initial Production	3/8/19 11:00 PM		2.94	0.00	81	67	1237	38	260,000	0.06	170	225	149	66	1.375	18	0	2100	1000
Initial Production	3/9/19 12:00 AM	Water Weight = 9.8 ppg Oil API = 42.57 @ 60°F H2S = 0 ppm	2.95	0.00	84	64	1233	38	260,000	0.05	170	224	148	66	1.375	22	0	2100	1000
Initial Production	3/9/19 1:00 AM		2.93	0.00	81	79	1238	38	260,000	0.07	174	224	150	66	1.375	28	0	2100	1000
Initial Production	3/9/19 2:00 AM		2.66	0.00	73	71	1226	38	260,000	0.05	174	202	148	60	1.375	0	0	2100	1000
Initial Production	3/9/19 3:00 AM		2.88	0.00	80	66	1217	38	260,000	0.06	173	221	151	65	1.375	0	0	2100	1000
Initial Production	3/9/19 4:00 AM	Water Weight = 9.8 ppg Oil API = 42.28 @ 60°	2.82	0.00	83	78	1222	38	260,000	0.05	175	218	153	64	1.375	0	15	2100	1000
Initial Production	3/9/19 5:00 AM		2.90	0.00	77	72	1215	38	260,000	0.03	176	223	151	66	1.375	36	0	2100	1000
Initial Production	3/9/19 6:00 AM		2.88	0.00	82	77	1216	38	260,000	0.05	174	214	148	68	1.375	46	0	2100	1000
Initial Production	3/9/19 7:00 AM		2.90	0.00	81	66	1197	38	260,000	0.07	168	222	143	66	1.375	50	0	2100	1000
Initial Production	3/9/19 8:00 AM	Water Weight = 9.7 ppg Oil API = 42.49 @ 60°F	2.86	0.00	80	62	1223	38	260,000	0.07	172	208	139	63	1.375	52	0	2200	1000
Initial Production	3/9/19 9:00 AM		2.81	0.00	63	53	1221	38	260,000	0.07	171	200	141	63	1.375	7	0	2200	1000
Initial Production	3/9/19 10:00 AM		2.88	0.00	77	0	1200	38	260,000	0.05	172	211	140	67	1.375	7	0	2200	1000
Initial Production	3/9/19 11:00 AM		2.85	0.00	75	77	1197	38	260,000	0.07	167	208	141	66	1.375	14	0	2200	1000
Initial Production	3/9/19 12:00 PM	Water Weight = 9.7 ppg Oil API = 42.16 @ 60°F H2S = 0 ppm	2.84	0.00	81	69	1159	38	260,000	0.07	167	209	141	66	1.375	48	0	2200	1000
Initial Production	3/9/19 1:00 PM		2.80	0.00	75	70	1215	38	260,000	0.05	171	207	143	66	1.375	50	0	2200	1000
Initial Production	3/9/19 2:00 PM		2.77	0.00	75	71	1192	38	260,000	0.05	170	215	144	67	1.375	61	0	2200	1000
Initial Production	3/9/19 3:00 PM		2.88	0.00	81	80	1184	38	260,000	0.07	172	212	144	66	1.375	64	0	2200	1000
Initial Production	3/9/19 4:00 PM	Water Weight = 9.7 ppg Oil API = 42.87 @ 60°F	2.91	0.00	78	79	1181	38	260,000	0.07	171	210	143	66	1.375	71	0	2200	1000
Initial Production	3/9/19 5:00 PM		2.84	0.00	83	72	1189	38	260,000	0.06	173	213	143	66	1.375	73	0	2225	1000
Initial Production	3/9/19 6:00 PM		2.85	0.00	74	65	1186	38	260,000	0.07	172	210	145	66	1.375	76	0	2225	1000
Initial Production	3/9/19 7:00 PM		2.72	0.00	82	71	1187	38	260,000	0.08	173	199	143	64	1.375	78	0	2225	1000
Initial Production	3/9/19 8:00 PM	Water Weight = 9.7 ppg Oil API = 42.40 @ 60°F	2.71	0.00	76	73	1183	38	260,000	0.05	174	198	140	63	1.375	77	0	2225	1000
Initial Production	3/9/19 9:00 PM		2.74	0.00	76	64	1181	38	260,000	0.06	167	204	143	65	1.375	77	0	2275	1000
Initial Production	3/9/19 10:00 PM		2.76	0.00	76	72	1179	38	260,000	0.05	173	206	145	65	1.375	76	0	2275	1000
Initial Production	3/9/19 11:00 PM		2.90	0.00	75	73	1175	38	260,000	0.06	172	212	146	67	1.375	83	0	2300	1000
Initial Production	3/10/19 12:00 AM	Water Weight = 9.7 ppg Oil API = 42.22 @ 60°F H2S = 0 ppm	2.81	0.00	72	72	1168	38	260,000	0.07	169	202	147	61	1.375	92	0	2350	1000
Initial Production	3/10/19 1:00 AM	1:00 AM Standard Time 2:00 AM Standard Time 3:00 AM Daylight Savings Time	2.85	0.00	75	66	1175	38	260,000	0.05	172	198	147	59	1.375	63	0	2400	1000
Initial Production	3/10/19 3:00 AM		2.85	0.00	60	75	1180	38	260,000	0.06	174	203	144	60	1.375	0	0	2400	1000
Initial Production	3/10/19 4:00 AM	Water Weight = 9.7 ppg Oil API = 42.80 @ 60°F	2.86	0.00	76	58	1188	38	260,000	0.08	176	212	146	61	1.375	10	0	2400	1000
Initial Production	3/10/19 5:00 AM		2.80	0.00	73	71	1161	38	260,000	0.05	172	200	148	68	1.375	61	0	2400	1000
Initial Production	3/10/19 6:00 AM		2.90	0.00	74	75	1135	38	260,000	0.05	173	208	144	64	1.375	98	40	2400	1000
Initial Production	3/10/19 7:00 AM		2.88	0.00	72	55	1135	38	260,000	0.07	171	206	149	69	1.375	98	40	2400	1000
Initial Production	3/10/19 8:00 AM	Water Weight = 9.7 ppg Oil API = 42.45 @ 60°F	2.85	0.00	74	85	1101	38	260,000	0.07	173	205	151	68	1.375	98	80	2400	1000
Initial Production	3/10/19 9:00 AM		2.85	0.00	76	67	1156	38	260,000	0.05	172	203	147	66	1.375	100	90	2400	1000
Initial Production	3/10/19 10:00 AM		2.88	0.00	73	93	1154	38	260,000	0.05	173	195	151	67	1.375	100	90	2400	1000
Initial Production	3/10/19 11:00 AM		2.83	0.00	75	66	1159	38	260,000	0.05	174	203	151	69	1.375	100	0	2400	1000
Initial Production	3/10/19 12:00 PM	Water Weight = 9.7 ppg Oil API = 42.71 @ 60°F H2S = 0 ppm	2.83	0.00	75	66	1128	38	260,000	0.05	173	204	150	69	1.375	110	0	2400	1000
Initial Production	3/10/19 1:00 PM		2.82	0.00	75	74	1150	38	260,000	0.05	172	203	149	67	1.375	110	0	2400	1000
Initial Production	3/10/19 2:00 PM		2.85	0.00	73	73	1165	38	260,000	0.05	171	203	147	66	1.375	110	0	2400	1000
Initial Production	3/10/19 3:00 PM		2.83	0.00	72	68	1154	38	260,000	0.05	172	203	150	66	1.375	110	0	2400	1000
Initial Production	3/10/19 4:00 PM	Water Weight = 9.7 ppg Oil API = 42.17 @ 60°F	2.84	0.00	74	66	1155	38	260,000	0.01	172	204	148	68	1.375	115	0	2400	1000
Initial Production	3/10/19 5:00 PM		2.84	0.00	74	63	1156	38	260,000	0.01	172	205	150	68	1.375	10	20	2424	999
Initial Production	3/10/19 6:00 PM		2.86	0.00	76	63	1159	38	260,000	0.02	173	206	148	68	1.375	8	45	2452	994
Initial Production	3/10/19 7:00 PM		2.85	0.00	73	58	1097	38	260,000	0.02	177	207	149	68	1.375	8	0	2472	981
Initial Production	3/10/19 8:00 PM	Water Weight = 9.7 ppg Oil API = 42.35 @ 60°F	2.88	0.00	73	63	1099	38	260,000	0.02	176	208	151	69	1.375	10	50	2488	974
Initial Production	3/10/19 9:00 PM		2.83	0.00	72	71	1165	38	260,000	0.01	175	206	150	67	1.375	13	0	2501	962
Initial Production	3/10/19 10:00 PM		2.83	0.00	74	76	1111	38	260,000	0.02	176	206	150	68	1.375	15	0	2553	952
Initial Production	3/10/19 11:00 PM		2.83	0.00	74	76	1160	38	260,000	0.03	176	206	150	68	1.375	13	50	2555	944
Initial Production	3/11/19 12:00 AM	Water Weight = 9.7 ppg Oil API = 42.28 @ 60°F H2S = 0 ppm	2.83	0.00	75	74	1162	38	260,000	0.01	176	206	150	68	1.375	1	0	2557	943
Initial Production	3/11/19 1:00 AM		2.83	0.00	73	66	1161	38	260,000	0.02	174	206	150	68	1.375	17	0	2556	942
Initial Production	3/11/19 2:00 AM		2.86	0.00	75	63	1162	38	260,000	0.01	175	207	150	68	1.375	18	18	2555	942
Initial Production	3/11/19 3:00 AM		2.83	0.00	74	67	1154	38	260,000	0.02	175	207	149	67	1.375	20	0	2555	942
Initial Production	3/11/19 4:00 AM	Water Weight = 9.7 ppg Oil API = 42.50 @ 60°F	2.86	0.00	73	69	1156	38	260,000	0.01	176	208	151	68	1.375	20	10	2561	941
Initial Production	3/11/19 5:00 AM		2.82	0.00	74	81	1158	38	260,000	0.01	174	207	152	68	1.375	21	10	2561	942
Initial Production	3/11/19 6:00 AM		2.83	0.00	75	92	1153	38	260,000	0.01	175	207	149	67	1.375	0	50	2552	941
Initial Production	3/11/19 7:00 AM		2.82	0.00	72	100	1153	38	260,000	0.01	174	207	151	67	1.375	0	45	2552	942
Initial Production	3/11/19 8:00 AM		2.87	0.00	73	83	1157	38	260,000	0.01	174	208	149	67	1.375	45	75	2570	943
Flowback operations complete	3/11/19 9:00 AM	(9:10) Turned over to Production on a TFMC 38/64" choke to Production 34/64" choke at 1,154 psi(g). Manifold sand sample = 0.01% Water Weight = 9.7 ppg Oil API = 42.10 @ 60°F	2.82	0.00	75	80	1118	38	260,000	0.01	176	205	151	67	1.375	75	95	2572	943

Version 201801025

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY

Company Name	Hess Corporation
Well Name	CA-ANDERSON SMITH-155-96-2635H-6
API Number	
Hess Work Team	C
Field	CA
Formation	TF
Area (Acres)	1280
Date on Location	2/28/2019
Initial Flowback Date	3/1/19 9:00 AM
Flowback Company	TechnipFMC
Responsible Contractor	Joshua Turmon
Phone Contact	701-380-9367
Initial Shut-in Tubing Pressure (Psi)	416 PSI

FRAC JOB SUMMARY

Type Frac Job	Hydraulic Frac
TOTAL Clean Fluid Pumped	164,127 BBLS
TOTAL Sand Pumped	9,965,000 LBS
Proposed # Stages	35 Stages
Effective # Stages	33 Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
Flowback Crew / Hess FB Supervisor
Flowback
Automatic

Event Phase	Date MM/DD/YY TIME	Remarks	Flared Gas Rate (FB) MMscfd	Sales Gas Rate MMscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psi(g)	Choke Size in (# /64)
	3/6/19 8:15 PM	Report start time	0.00	0.00	0	0	1591	0
Standard Work	2/28/19 9:00 AM	(9:00) TFMC Arrives on Location. Safety Simops meeting with Workover rig crew.. (9:30) TFMC begins to spot HS0069 and flowback equipment.						
Standard Work	2/28/19 10:00 AM	(10:00) TFMC Begins to Rig Up						
Standard Work	2/28/19 4:00 PM	(4:00) TFMC Raises flare; continues rigging up						
Standard Work	3/1/19 4:00 AM	(4:00) Continue rigging up						
Standard Work	3/1/19 6:00 AM	(6:00) TFMC Rig Up Completed						
Standard Work	3/1/19 10:00 AM	(10:45) Arp Testing arrives on location					416	
Standard Work	3/1/19 11:00 AM	(11:00) Began Pressure test. High Pressure Test to 4500 psi(g). Sales line test to 500 psi(g).					416	
Standard Work	3/1/19 12:00 PM	(12:30) Pressure test complete					416	
Standard Work	3/1/19 1:00 PM						416	
Initial Flowback	3/1/19 2:00 PM	(2:00) Open Well to flow on a 15/64" choke through the bypass to the open top. Well Pressure immediately started to drop, diverted flow to 96/64" choke. Well died off currently at 0 psi(g)					0	
Well Shut-in	3/1/19 3:00 PM	(3:00) Well shut in at master valve to inhibit methanol. SIWP: 0 psi(g)					0	
NPT	3/1/19 3:01 PM	Possible Tubing Obstruction; Well at 6 psi(g), waiting for Hot Oiler for pumpdown scheduled for tomorrow per Bryan Carpenter.					6	
NPT	3/1/19 4:00 PM						6	
NPT	3/1/19 5:00 PM						6	
NPT	3/1/19 6:00 PM						6	
NPT	3/1/19 7:00 PM						6	
NPT	3/1/19 8:00 PM						6	
NPT	3/1/19 9:00 PM						6	
NPT	3/1/19 10:00 PM						6	
NPT	3/1/19 11:00 PM						6	
NPT	3/2/19 12:00 AM						6	
NPT	3/2/19 1:00 AM						6	
NPT	3/2/19 2:00 AM						6	
NPT	3/2/19 3:00 AM						6	
NPT	3/2/19 4:00 AM						6	
NPT	3/2/19 5:00 AM						6	
NPT	3/2/19 6:00 AM						6	
NPT	3/2/19 7:00 AM						6	
NPT	3/2/19 8:00 AM	(8:15) Begin Pumpdown					6	
NPT	3/2/19 9:00 AM	(9:00) Pumpdown complete. TFMC help Rig down for DI parrafin's Demobilization					973	
NPT	3/2/19 10:00 AM	(10:00) Open well to flow; TFMC potential ice plug in flowline. TFMC begin thawing out process.					973	
NPT	3/2/19 11:00 AM						972	
NPT	3/2/19 12:00 PM						973	
NPT	3/2/19 1:00 PM						973	
NPT	3/2/19 2:00 PM						972	
NPT	3/2/19 3:00 PM						973	
NPT	3/2/19 4:00 PM						973	
NPT	3/2/19 5:00 PM						973	
NPT	3/2/19 6:00 PM						973	
NPT	3/2/19 7:00 PM						973	
NPT	3/2/19 8:00 PM						972	
NPT	3/2/19 9:00 PM						973	
NPT	3/2/19 10:00 PM						972	
NPT	3/2/19 11:00 PM						982	
NPT	3/3/19 12:00 AM						998	
NPT	3/3/19 1:00 AM						1001	
NPT	3/3/19 2:00 AM						1008	
NPT	3/3/19 3:00 AM						1036	
NPT	3/3/19 4:00 AM						1036	
NPT	3/3/19 5:00 AM						1041	
NPT	3/3/19 6:00 AM						1068	
NPT	3/3/19 7:00 AM						1072	
NPT	3/3/19 8:00 AM						1073	
NPT	3/3/19 9:00 AM						1034	
NPT	3/3/19 10:00 AM						1017	
NPT	3/3/19 11:00 AM						1017	
Initial Flowback	3/3/19 11:25 AM	(11:25) Open Well to flow on a 18/64" choke with an ICP of 973 psi(g) through the bypass to the open top. (11:55) Divert flow to HS0069 once gas and oil reached surface.					973	18
Initial Flowback	3/3/19 12:00 PM	(12:30) Increase choke to 20/64" Water Weight = 10.0 ppg Oil API = 0 @ 60°F H2S = 0 ppm	0.58		0	88	1087	18
Initial Flowback	3/3/19 1:00 PM	(1:14) Divert flow to open top. Pressure dropped to 498, divert flow to 96/64" choke to unload water. (1:30) Pressure built back up 980 psi(g). Gas and oil to surface, divert flow to HS0069 on a 20/64" choke.	0.60		0	9	704	20
Initial Flowback	3/3/19 2:00 PM	(2:00) Increase choke to 22/64"	0.71		0	68	1274	20
Initial Production	3/3/19 2:05 PM	(2:05) Oil to Production with a WHP of 1,173 psi(g) on a 22/64" choke.					1173	22
Initial Production	3/3/19 3:00 PM	(3:00) Increase choke to 24/64"	0.40	0.31	4	48	959	22
Initial Production	3/3/19 4:00 PM	(4:00) Increase choke to 26/64" Water Weight = 10 ppg Oil API = 0 @ 60°F	0.30	0.39	18	58	1005	24
Initial Production	3/3/19 5:00 PM	(5:00) Increase choke to 28/64"	0.28	0.80	18	79	1090	26
Initial Production	3/3/19 6:00 PM	(6:00) Increase choke to 30/64"	0.37	0.58	20	80	1098	28
Initial Production	3/3/19 7:00 PM	(7:00) Increase choke to 32/64"	0.36	0.28	23	79	1114	30
Initial Production	3/3/19 8:00 PM	(8:00) Increase choke to 34/64" Water Weight = 10 ppg Oil API = 42.62 @ 60°F	0.20	1.03	34	104	1107	32

Date MM/DD/YY TIME	Duration hrs	Cum Time hrs	Oil Daily bbl/day	Total Fluid bbl/hr	Oil Cum bbl	Oil Cut %	Water Cut %	Water Daily bbl/day	Water Cum bbl	Load Recovery %	Total Liq Cum bbl	Flared Gas Cum MMscf	Sales Gas Cum MMSCF	Total Gas Cum MMSCF	GOR scf/bbl	BFPH/FTP (bbls/psi)	Cum FTPH/FTP (bbl/psi)	1/PI (psi/bbl)	BO/Stage (bbls/stg)	SQRT (t) (Hours^0.5)	AWT (F)
3/6/19 8:15 PM	0.00	0	0.00	0	0	[illegible]	[illegible]		0	0.0%	0	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	0.0	C
2/28/19 9:00 AM	1.00	0.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	0.0	C
2/28/19 10:00 AM	9.00	1.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	1.0	C
2/28/19 4:00 PM	12.00	7.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	2.6	C
3/1/19 4:00 AM	2.00	19.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	4.4	C
3/1/19 6:00 AM	4.00	21.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	4.6	C
3/1/19 10:00 AM	1.00	25.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	5.0	C
3/1/19 11:00 AM	1.00	26.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	5.1	C
3/1/19 12:00 PM	1.00	27.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	5.2	C
3/1/19 1:00 PM	1.00	28.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	5.3	C
3/1/19 2:00 PM	1.00	29.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	5.4	C
3/1/19 3:00 PM	0.01	30.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	5.5	C
3/1/19 3:01 PM	0.59	30.02	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	5.5	C
3/1/19 4:00 PM	1.00	31.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	5.6	C
3/1/19 5:00 PM	1.00	32.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	5.7	C
3/1/19 6:00 PM	1.00	33.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	5.7	C
3/1/19 7:00 PM	1.00	34.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	5.8	C
3/1/19 8:00 PM	1.00	35.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	5.9	C
3/1/19 9:00 PM	1.00	36.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	6.0	C
3/1/19 10:00 PM	1.00	37.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	6.1	C
3/1/19 11:00 PM	1.00	38.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	6.2	C
3/2/19 12:00 AM	1.00	39.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	6.2	C
3/2/19 1:00 AM	1.00	40.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	6.3	C
3/2/19 2:00 AM	1.00	41.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	6.4	C
3/2/19 3:00 AM	1.00	42.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	6.5	C
3/2/19 4:00 AM	1.00	43.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	6.6	C
3/2/19 5:00 AM	1.00	44.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	6.6	C
3/2/19 6:00 AM	1.00	45.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	6.7	C
3/2/19 7:00 AM	1.00	46.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	6.8	C
3/2/19 8:00 AM	1.00	47.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	6.9	C
3/2/19 9:00 AM	1.00	48.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	6.9	C
3/2/19 10:00 AM	1.00	49.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	7.0	C
3/2/19 11:00 AM	1.00	50.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	7.1	C
3/2/19 12:00 PM	1.00	51.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	7.1	C
3/2/19 1:00 PM	1.00	52.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	7.2	C
3/2/19 2:00 PM	1.00	53.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	7.3	C
3/2/19 3:00 PM	1.00	54.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	7.3	C
3/2/19 4:00 PM	1.00	55.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	7.4	C
3/2/19 5:00 PM	1.00	56.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	7.5	C
3/2/19 6:00 PM	1.00	57.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	7.5	C
3/2/19 7:00 PM	1.00	58.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	7.6	C
3/2/19 8:00 PM	1.00	59.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	7.7	C
3/2/19 9:00 PM	1.00	60.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	7.7	C
3/2/19 10:00 PM	1.00	61.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	7.8	C
3/2/19 11:00 PM	1.00	62.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	7.9	C
3/3/19 12:00 AM	1.00	63.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	7.9	C
3/3/19 1:00 AM	1.00	64.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	8.0	C
3/3/19 2:00 AM	1.00	65.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	8.1	C
3/3/19 3:00 AM	1.00	66.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	8.1	C
3/3/19 4:00 AM	1.00	67.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	8.2	C
3/3/19 5:00 AM	1.00	68.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	8.2	C
3/3/19 6:00 AM	1.00	69.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	8.3	C
3/3/19 7:00 AM	1.00	70.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	8.4	C
3/3/19 8:00 AM	1.00	71.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	8.4	C
3/3/19 9:00 AM	1.00	72.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	8.5	C
3/3/19 10:00 AM	1.00	73.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	8.5	C
3/3/19 11:00 AM	0.25	74.00	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	8.6	C
3/3/19 11:25 AM	0.35	74.42	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	8.6	C
3/3/19 12:00 PM	1.00	75.00	0.00	88.00	0.00	0.00%	100.00%	2112.00	88.00	0.1%	88.00	0.02	0.00	0.02	[illegible]	0.1	0.1	[illegible]	0.0	8.7	C
3/3/19 1:00 PM	1.00	76.00	0.00	9.00	0.00	0.00%	100.00%	216.00	97.00	0.1%	97.00	0.06	0.00	0.06	[illegible]	0.0	0.1	[illegible]	0.0	8.7	C
3/3/19 2:00 PM	0.05	77.00	0.00	68.00	0.00	0.00%	100.00%	1632.00	165.00	0.1%	165.00	0.09	0.00	0.09	[illegible]	0.1	0.1	[illegible]	0.0	8.8	C
3/3/19 2:05 PM	0.55	77.08	0.00	0.00	0.00	[illegible]	[illegible]	0.00	165.00	0.1%	165.00	0.09	0.00	0.09	[illegible]	0.0	0.1	[illegible]	0.0	8.8	C
3/3/19 3:00 PM	1.00	78.00	96.00	52.00	4.00	7.69%	92.31%	1152.00	213.00	0.1%	217.00	0.10	0.01	0.12	7354.166667	0.1	0.2	0.8	2.9	8.8	C
3/3/19 4:00 PM	1.00	79.00	432.00	76.00	22.00	23.68%	76.32%	1392.00	271.00	0.2%	293.00	0.12	0.03	0.14	1599.537037	0.1	0.3	1.4	13.1	8.9	C
3/3/19 5:00 PM	1.00	80.00	432.00	97.00	40.00	18.56%	81.44%	1896.00	350.00	0.2%	390.00	0.13	0.06	0.16	2037.037037	0.1	0.4	1.2	13.1	8.9	C
3/3/19 6:00 PM	1.00	81.00	480.00	100.00	60.00	20.00%	80.00%	1920.00	430.00	0.2%	490.00	0.14	0.08	0.22	1979.166667	0.1	0.4	1.0	14.5	9.0	C
3/3/19 7:00 PM	1.00	82.00	552.00	102.00	83.00	22.55%	77.45%	1896.00	509.00	0.3%	592.00	0.16	0.09	0.25	1141.304348	0.1	0.5	0.9	16.7	9.1	C
3/3/19 8:00 PM	1.00	83.00	816.00	138.00	117.00	24.64%	75.36%	2496.00	613.00	0.4%	730.00	0.17	0.13	0.30	1507.352941	0.1	0.7	0.6	24.7	9.1	C

Initial Production	3/3/19 9:00 PM	(9:00) Increase choke to 36/64"	0.18	1.20	39	104	1087	34	1:00	84.00	936.00	143.00	156.00	27.27%	72.73%	2496.00	717.00	0.4%	873.00	0.17	0.18	0.36	1474.358974	0.1	0.8	0.5	28.4	9.2	C
Initial Production	3/3/19 10:00 PM	(10:00) Increase choke to 38/64"	0.26	1.40	44	91	1090	36	1:00	85.00	1056.00	135.00	200.00	32.59%	67.41%	2184.00	808.00	0.5%	1008.00	0.18	0.24	0.43	1571.069667	0.1	0.9	0.5	32.0	9.2	C
Initial Production	3/3/19 11:00 PM	(11:00) Increase choke to 40/64"	0.20	1.25	48	110	1063	38	1:00	86.00	1152.00	158.00	248.00	30.38%	69.62%	2640.00	918.00	0.6%	1166.00	0.19	0.29	0.49	1258.680556	0.1	1.1	0.4	34.9	9.3	C
Initial Production	3/4/19 12:00 AM	(12:00) Increase choke to 42/64" Water Weight = 10 ppg Oil API = 43.92 @ 60°F H2S = 0 ppm	0.34	1.35	53	112	1075	40	1:00	87.00	1272.00	168.00	301.00	32.12%	67.88%	2688.00	1030.00	0.6%	1331.00	0.21	0.35	0.56	1328.616352	0.2	1.2	0.4	38.5	9.3	C
Initial Production	3/4/19 1:00 AM		0.11	1.80	58	114	1053	42	1:00	88.00	1392.00	172.00	369.00	33.72%	66.28%	2736.00	1144.00	0.7%	1503.00	0.21	0.42	0.63	1226.293103	0.2	1.4	0.4	42.2	9.4	C
Initial Production	3/4/19 2:00 AM		0.16	1.40	58	106	1064	42	1:00	89.00	1392.00	164.00	417.00	35.37%	64.63%	2544.00	1250.00	0.8%	1667.00	0.22	0.47	0.69	1123.563218	0.2	1.6	0.4	42.2	9.4	C
Initial Production	3/4/19 3:00 AM		0.10	1.42	63	108	1075	42	1:00	90.00	1512.00	171.00	480.00	36.84%	63.16%	2592.00	1358.00	0.8%	1838.00	0.22	0.53	0.76	1005.291005	0.2	1.7	0.3	45.8	9.5	C
Initial Production	3/4/19 4:00 AM	Water Weight = 10 ppg Oil API = 43.56 @ 60°F	0.82	0.67	59	105	1065	42	1:00	91.00	1416.00	164.00	539.00	35.96%	64.03%	2530.00	1463.00	0.9%	2002.00	0.26	0.56	0.82	1052.259887	0.2	1.8	0.4	42.5	9.5	C
Initial Production	3/4/19 5:00 AM		1.53	0.77	63	107	1064	42	1:00	92.00	1512.00	170.00	602.00	37.06%	62.94%	2568.00	1570.00	1.0%	2172.00	0.32	0.59	0.91	1521.164021	0.2	2.0	0.3	45.8	9.6	C
Initial Production	3/4/19 6:00 AM		1.69	0.60	64	102	1074	42	1:00	93.00	1536.00	166.00	666.00	38.55%	61.45%	2448.00	1672.00	1.0%	2338.00	0.39	0.62	1.01	1493.489583	0.2	2.2	0.3	46.5	9.6	C
Initial Production	3/4/19 7:00 AM	Upstream-.07% / Downstream-0%	2.10	0.00	74	99	1074	42	1:00	94.00	1776.00	173.00	740.00	42.77%	57.23%	2376.00	1771.00	1.1%	2511.00	0.48	0.62	1.10	1182.432432	0.2	2.3	0.3	53.8	9.7	C
Initial Production	3/4/19 8:00 AM	Water Weight = 10 ppg Oil API = 42.62 @ 60°F	2.20	0.00	57	103	1067	42	1:00	95.00	1368.00	160.00	797.00	35.63%	64.38%	2472.00	1874.00	1.1%	2671.00	0.57	0.62	1.19	1606.187135	0.1	2.5	0.4	41.5	9.7	C
Initial Production	3/4/19 9:00 AM		2.20	0.00	70	102	1068	42	1:00	96.00	1680.00	172.00	867.00	40.70%	59.30%	2448.00	1976.00	1.2%	2843.00	0.66	0.62	1.28	1309.52381	0.2	2.7	0.3	50.9	9.8	C
Initial Production	3/4/19 10:00 AM		2.20	0.00	66	113	1065	42	1:00	97.00	1584.00	179.00	933.00	36.87%	63.13%	2712.00	2089.00	1.3%	3022.00	0.75	0.62	1.37	1388.888889	0.2	2.8	0.3	48.0	9.8	C
Initial Production	3/4/19 11:00 AM	Upstream-.05% / Downstream- 0%	1.70	0.00	60	84	1017	42	1:00	98.00	1440.00	144.00	993.00	41.67%	58.33%	2016.00	2173.00	1.3%	3166.00	0.82	0.62	1.44	1180.555556	0.1	3.1	0.4	43.8	9.8	C
Initial Production	3/4/19 12:00 PM	Water Weight = 10 ppg Oil API = 43.15 @ 60°F H2S = 0 ppm	2.50	0.00	63	101	1061	42	1:00	99.00	1512.00	164.00	1056.00	38.41%	61.59%	2424.00	2274.00	1.4%	3330.00	0.93	0.62	1.55	1653.439153	0.2	3.1	0.4	45.8	9.9	C
Initial Production	3/4/19 1:00 PM		2.40	0.00	65	103	1049	42	1:00	100.00	1560.00	168.00	1121.00	38.89%	61.31%	2472.00	2377.00	1.4%	3498.00	1.03	0.62	1.65	1538.461538	0.2	3.3	0.3	47.3	10.0	C
Initial Production	3/4/19 2:00 PM		2.44	0.00	67	104	1025	42	1:00	101.00	1608.00	171.00	1188.00	39.18%	60.82%	2496.00	2481.00	1.5%	3669.00	1.13	0.62	1.75	1514.383483	0.2	3.8	0.4	48.7	10.0	C
Initial Production	3/4/19 3:00 PM	Upstream-.13% / Downstream- 0%	2.40	0.00	65	92	1061	42	0:30	102.00	1560.00	157.00	1253.00	41.40%	58.60%	2208.00	2573.00	1.6%	3826.00	1.23	0.62	1.85	1538.461538	0.1	3.8	0.3	47.3	10.1	C
Well Shut in	3/4/19 3:30 PM	(3:30) Well Shut in Due to loss of comms SIWP: 1104							0:01	102.50	0.00	0.00	1253.00	[illegible]	[illegible]	0.00	2573.00	1.6%	3826.00	1.23	0.62	1.85	[illegible]	[illegible]	[illegible]	[illegible]	0.0	10.1	C
NPT	3/4/19 3:31 PM	(3:30) Well Shut in Due to loss of comms.							0:29	102.52	0.00	0.00	1253.00	[illegible]	[illegible]	0.00	2573.00	1.6%	3826.00	1.23	0.62	1.85	[illegible]	[illegible]	[illegible]	[illegible]	0.0	10.1	C
NPT	3/4/19 4:00 PM				21	58	1575		0:30	103.00	504.00	79.00	1274.00	26.58%	73.42%	1392.00	2631.00	1.6%	3905.00	1.23	0.62	1.85	0	0.1	2.5	0.0	15.3	10.1	C
Initial Production	3/4/19 4:30 PM	Open Well to Flow on 42/64" Choke at 1591 psi(d)					1591	42	0:30	103.50	0.00	0.00	1274.00	[illegible]	[illegible]	0.00	2631.00	1.6%	3905.00	1.23	0.62	1.85	[illegible]	0.0	2.5	[illegible]	0.0	10.2	C
Initial Production	3/4/19 5:00 PM		2.10	0.00	50	65	959	42	1:00	104.00	1200.00	115.00	1324.00	43.48%	56.52%	1560.00	2606.00	1.6%	4020.00	1.32	0.62	1.94	1750	0.1	4.2	0.5	36.4	10.2	C
Initial Production	3/4/19 6:00 PM		2.70	0.00	47	114	1041	42	1:00	105.00	1128.00	161.00	1371.00	29.19%	70.81%	2736.00	2810.00	1.7%	4181.00	1.43	0.62	2.05	2393.617021	0.2	4.0	0.5	34.2	10.2	C
Initial Production	3/4/19 7:00 PM		1.90	0.00	48	87	1048	42	1:00	106.00	1152.00	135.00	1419.00	35.56%	64.44%	2088.00	2897.00	1.8%	4316.00	1.51	0.62	2.13	1648.305556	0.1	4.1	0.6	34.9	10.3	C
Initial Production	3/4/19 8:00 PM	Water Weight = 10 ppg Oil API = 43.90 @ 60°F	1.90	0.00	60	99	1052	42	1:00	107.00	1440.00	159.00	1479.00	37.74%	62.26%	2376.00	2996.00	1.8%	4475.00	1.59	0.62	2.21	1319.444444	0.2	4.3	0.4	43.6	10.3	C
Initial Production	3/4/19 9:00 PM		2.07	0.00	54	87	1064	42	1:00	108.00	1536.00	151.00	1543.00	42.38%	57.62%	2088.00	3063.00	1.9%	4626.00	1.67	0.62	2.29	1347.65625	0.1	4.3	0.3	46.5	10.4	C
Initial Production	3/4/19 10:00 PM		2.32	0.00	57	85	1061	42	1:00	109.00	1368.00	142.00	1600.00	40.14%	59.86%	2040.00	3168.00	1.9%	4768.00	1.77	0.62	2.39	1594.444444	0.1	4.5	0.4	41.5	10.4	C
Initial Production	3/4/19 11:00 PM		2.33	0.00	60	90	1054	42	1:00	110.00	1440.00	150.00	1660.00	40.00%	60.00%	2160.00	3258.00	2.0%	4918.00	1.87	0.62	2.49	1618.75	0.1	4.7	0.4	43.6	10.5	C
Initial Production	3/5/19 12:00 AM	Water Weight = 10 ppg Oil API = 42.85 @ 60°F H2S = 0 ppm	2.34	0.00	62	89	1047	42	1:00	111.00	1488.00	151.00	1722.00	41.06%	58.94%	2136.00	3347.00	2.0%	5069.00	1.97	0.62	2.58	1575.268817	0.1	4.8	0.4	45.1	10.5	C
Initial Production	3/5/19 1:00 AM		2.35	0.00	60	99	1039	42	1:00	112.00	1440.00	159.00	1782.00	37.74%	62.26%	2376.00	3446.00	2.1%	5228.00	2.08	0.62	2.68	1629.166667	0.2	5.0	0.4	43.6	10.6	C
Initial Production	3/5/19 2:00 AM		2.37	0.00	63	85	1043	42	0:30	113.00	1512.00	148.00	1845.00	42.57%	57.43%	2040.00	3531.00	2.2%	5376.00	2.16	0.62	2.78	1564.153439	0.1	5.2	0.4	45.8	10.6	C
Well Shut in	3/5/19 2:30 AM	(2:30) Well Shut in Due to loss of comms SIWP: 1128					1128		0:01	113.50	0.00	0.00	1845.00	[illegible]	[illegible]	0.00	3531.00	2.2%	5376.00	2.16	0.62	2.78	[illegible]	0.0	4.9	[illegible]	0.0	10.7	C
NPT	3/5/19 2:31 AM	(2:30) Well Shut in Due to loss of comms.							0:29	113.52	0.00	0.00	1845.00	[illegible]	[illegible]	0.00	3531.00	2.2%	5376.00	2.16	0.62	2.78	[illegible]	[illegible]	[illegible]	[illegible]	0.0	10.7	C
NPT	3/5/19 3:00 AM				27	48	1187		1:00	114.00	648.00	75.00	1872.00	36.00%	64.00%	1152.00	3579.00	2.2%	5451.00	2.16	0.62	2.78	0	0.1	4.6	0.6	19.6	10.7	C
NPT	3/5/19 4:00 AM						1203		1:00	115.00	0.00	0.00	1872.00	[illegible]	[illegible]	0.00	3579.00	2.2%	5451.00	2.16	0.62	2.78	[illegible]	0.0	4.5	[illegible]	0.0	10.7	C
NPT	3/5/19 5:00 AM						1208		1:00	116.00	0.00	0.00	1872.00	[illegible]	[illegible]	0.00	3579.00	2.2%	5451.00	2.16	0.62	2.78	[illegible]	0.0	4.5	[illegible]	0.0	10.8	C
NPT	3/5/19 6:00 AM						1208		1:00	117.00	0.00	0.00	1872.00	[illegible]	[illegible]	0.00	3579.00	2.2%	5451.00	2.16	0.62	2.78	[illegible]	0.0	4.5	[illegible]	0.0	10.8	C
NPT	3/5/19 7:00 AM						1208		1:00	118.00	0.00	0.00	1872.00	[illegible]	[illegible]	0.00	3579.00	2.2%	5451.00	2.16	0.62	2.78	[illegible]	0.0	4.5	[illegible]	0.0	10.9	C
NPT	3/5/19 8:00 AM						1208		1:00	119.00	0.00	0.00	1872.00	[illegible]	[illegible]	0.00	3579.00	2.2%	5451.00	2.16	0.62	2.78	[illegible]	0.0	4.5	[illegible]	0.0	10.9	C
NPT	3/5/19 9:00 AM						1208		0:45	120.00	0.00	0.00	1872.00	[illegible]	[illegible]	0.00	3579.00	2.2%	5451.00	2.16	0.62	2.78	[illegible]	0.0	4.5	[illegible]	0.0	11.0	C
Initial Production	3/5/19 9:45 AM	(9:45) Open Well to Flow on 42/64" Choke at 1209 psi(d)					1209	42	0:15	120.75	0.00	0.00	1872.00	[illegible]	[illegible]	0.00	3579.00	2.2%	5451.00	2.16	0.62	2.78	[illegible]	0.0	4.5	[illegible]	0.0	11.0	C
Initial Production	3/5/19 10:00 AM	***Oil Gains reading from Production meter***	0.88	0.00	10	25	1117	42	1:00	121.00	240.00	35.00	1882.00	28.57%	71.43%	600.00	3604.00	2.2%	5486.00	2.20	0.62	2.82	3645.833333	0.0	4.9	2.0	7.3	11.0	C
Initial Production	3/5/19 11:00 AM		1.02	0.00	60	121	649	42	1:00	122.00	1440.00	181.00	1942.00	33.15%	66.85%	2904.00	3725.00	2.3%	5667.00	2.24	0.62	2.86	707.0388889	0.3	8.7	0.7	43.6	11.0	C
Initial Production	3/5/19 12:00 PM	Water Weight = 10 ppg Oil API = 42.97 @ 60°F H2S = 0 ppm	1.40	0.00	33	100	883	42	1:00	123.00	792.00	133.00	1975.00	24.81%	75.19%	2400.00	3825.00	2.3%	5800.00	2.30	0.62	2.92	1767.676768	0.2	6.6	0.9	24.0	11.1	C
Initial Production	3/5/19 1:00 PM		1.90	0.00	49	114	951	42	1:00	124.00	1176.00	163.00	2024.00	30.06%	69.94%	2736.00	3939.00	2.4%	5963.00	2.38	0.62	3.00	1615.646259	0.2	6.3	0.5	35.6	11.1	C
Initial Production	3/5/19 2:00 PM		2.10	0.00	56	103	1001	42	1:00	125.00	1344.00	159.00	2080.00	35.22%	64.78%	2472.00	4042.00	2.5%	6122.00	2.47	0.62	3.08	1562.5	0.2	6.1	0.4	40.7	11.2	C
Initial Production	3/5/19 3:00 PM		2.30	0.00	66	93	1067	42	1:00	126.00	1584.00	159.00	2146.00	41.51%	58.49%	2232.00	4135.00	2.5%	6281.00	2.56	0.62	3.18	1462.020202	0.1	5.9	0.3	48.0	11.2	C
Initial Production	3/5/19 4:00 PM	Water Weight = 10 ppg Oil API = 43.72 @ 60°F	2.40	0.00	62	103	1052	42	1:00	127.00	1488.00	165.00	2208.00	37.58%	62.42%	2472.00	4238.00	2.6%	6446.00	2.66	0.62	3.28	1612.903226	0.2	6.1	0.4	46.1	11.3	C
Initial Production	3/5/19 5:00 PM		2.40	0.00	68	97	1064	42	1:00	128.00	1632.00	165.00	2276.00	41.21%	58.79%	2328.00	4335.00	2.6%	6611.00	2.76	0.62	3.38	1470.588235	0.2	6.2	0.3	46.5	11.3	C
Initial Production	3/5/19 6:00 PM		2.52	0.00	62	91	1053	42	1:00	129.00	1488.00	153.00	2338.00	40.52%	59.48%	2184.00	4426.00	2.7%	6764.00	2.87	0.62	3.49	1695.564516	0.1	6.4	0.4	46.1	11.4	C
Initial Production	3/5/19 7:00 PM		2.61	0.00	68	92	1048	42	1:00	130.00	1632.00	160.00	2406.00	42.50%	57.50%	2208.00	4518.00	2.8%	6924.00	2.98	0.62	3.59	1597.426471	0.2	6.6	0.3	46.5	11.4	C
Initial Production	3/5/19 8:00 PM	Water Weight = 10 ppg Oil API = 43.94 @ 60°F	2.54	0.00	69	95	1054	42	1:00	131.00	1656.00	164.00	2475.00	42.07%	57.93%	2280.00	4613.00	2.8%	7088.00	3.08	0.62	3.70	1536.024155	0.2	6.7	0.3	50.2	11.4	C
Initial Production	3/5/19 9:00 PM		2.62	0.00	70	94	1052	42	1:00	132.00	1680.00	164.00	2545.00	42.68%	57.32%	2256.00	4707.00	2.9%	7252.00	3.19	0.62	3.81	1598.333333	0.2	6.9	0.3	50.9	11.5	C
Initial Production	3/5/19 10:00 PM		2.58	0.00	69	92	1054	42	1:00	133.00	1656.00	161.00	2614.00	42.86%	57.14%	2208.00	4799.00	2.9%	7413.00	3.30	0.62	3.92	1554.951691	0.2	7.0	0.3	50.2	11.5	C
Initial Production	3/5/19 11:00 PM		2.56	0.00	68	91	1052	42	1:00	134.00	1632.00	159.00	2682.00	42.77%	57.23%	2184.00	4890.00	3.0%	7572.00	3.41	0.62	4.02	1562.107843	0.2	7.2	0.3	49.5	11.6	C
Initial Production	3/6/19 12:00 AM	Water Weight = 10 ppg Oil API = 43.44 @ 60°F H2S = 0 ppm	2.57	0.00	70	90	1053	42	1:00	135.00	1680.00	160.00	2752.00	43.75%	56.25%	2160.00	4980.00	3.0%	7732.00	3.51	0.62	4.13	1527.97619	0.2	7.3	0.3	50.9	11.6	C
Initial Production	3/6/19 1:00 AM		2.59	0.00	69	99	1056	42	1:00	136.00	1656.00	168.00	2821.00	41.07%	58.93%	2376.00	5079.00	3.1%	7900.00	3.62	0.62	4.24	1566.425121	0.2	7.5	0.3	50.2	11.7	C
Initial Production	3/6/19 2:00 AM		2.57	0.00	69	95	1065	42	1:00	137.00	1656.00	164.00	2890.00	42.07%	57.93%	2280.00	5174.00	3.2%	8064.00	3.73	0.62	4.35	1549.516908	0.2	7.6	0.3	50.2	11.7	C
Initial Production	3/6/19 3:00 AM		2.48	0.00	67	83	1050	42	1:00	138.00	1608.00	150.00	2957.00	44.67%	55.33%	1992.00	5257.00	3.2%	8214.00	3.83	0.62	4.45	1541.044776	0.1	7.8	0.3	48.7	11.7	C
Initial Production	3/6/19 4:00 AM	Water Weight = 10 ppg Oil API = 42.15 @ 60°F	2.44	0.00	68	90	1049	42	1:00	139.00	1632.00	158.00	3025.00	43.04%	56.96%	2160.00	5347.00	3.3%	8372.00	3.93	0.62	4.55	1495.098039	0.2	8.0	0.3	48.5	11.8	C
Initial Production	3/6/19 5:00 AM		2.62	0.00	69	92	1052	42	1:00	140.00	1656.00	161.00	3094.00	42.86%	57.14%	2208.00	5439.00	3.3%	8533.00	4.04	0.62	4.66	1583.333333	0.2	8.1	0.3	50.2	11.8	C
Initial Production	3/6/19 6:00 AM		2.60	0.00	68	86	1041		1:00	141.00	1632.00	154.00	3162.00	44.16%	55.84%	2064.00	5525.00	3.4%	8687.00	4.15	0.62	4.77	1593.137255	0.1	8.3	0.3	49.5	11.9	C
Initial Production	3/6/19 7:00 AM	Upstream - .03% / Downstream - 0%	2.60	0.00	68	86	1045		1:00	142.00	1632.00	154.00	3230.00	44.16%	55.84%	2064.00	5611.00	3.4%	8841.00	4.26	0.62	4.88	1593.137255	0.1	8.5	0.3	49.5	11.9	C
Initial Production	3/6/19 8:00 AM	Water Weight = 10 ppg Oil API = 42.89 @ 60°F	2.50	0.00	69	97	1061		1:00	143.00	1656.00	166.00	3299.00	41.57%	58.43%	2328.00	5708.00	3.5%	9007.00	4.36	0.62	4.98	1509.661836	0.2	8.8	0.3	50.2	12.0	C
Well Shut in	3/6/19 9:00 AM	(9:00) Shut in Well due to low level bulk; False alarm SIWP: 1520			66	87	1520		0:01	144.00	1584.00	153.00	3365.00	43.14%	56.86%	2088.00	5795.00	3.5%	9160.00	4.36	0.62	4.98	0	0.1	6.0	0.0	48.0	12.0	C
NPT	3/6/19 9:01 AM	Shut in Well due to low level bulk; False alarm							0:21	144.02	0.00	0.00	3365.00	[illegible]	[illegible]	0.00	5795.00	3.5%	9160.00	4.36	0.62	4.98	[illegible]	[illegible]	[illegible]	[illegible]	0.0	12.0	C
Initial Production	3/6/19 9:22 AM	(9:22) Open Well to Flow on 42/64" Choke at 1568 psi(d)					1568	42	0:38	144.37	0.00	0.00	3365.00	[illegible]	[illegible]	0.00	5795.00	3.5%	9160.00	4.36	0.62	4.98	[illegible]	0.0	5.8	[illegible]	0.0	12.0	C
Initial Production	3/6/19 10:00 AM		3.00	0.00	29	41	1123	42	1:00	145.00	696.00	70.00	3394.00	41.43%	58.57%	984.00	5836.00	3.6%	9230.00	4.49	0.62	5.11	4310.344828	0.1	6.2	0.7	21.1	12.0	C
Initial Production	3/6/19 11:00 AM	(11:00) Decrease choke to 40/64" Upstream - .01% / Downstream - 0%	2.40	0.00	63	88	1007	42	1:00	146.00	1512.00	151.00	3457.00	41.72%	58.28%	2112.00	5924.00	3.6%	9381.00	4.59	0.62	5.21	1587.301587	0.1	9.3	0.4	45.8	12.1	C
Initial Production	3/6/19 12:00 PM	***Handover Rate Reached*** Water Weight = 10 ppg Oil API = 42.11 @ 60°F H2S = 0 PPM	2.40	0.00	63	94	1077	40	1:00	147.00	1512.00	157.00	3520.00	40.13%	59.87%	2256.00	6018.00	3.7%	9538.00	4.69	0.62	5.31	1587.301587	0.1	8.9	0.3	45.8	12.1	C
Initial Production	3/6/19 1:00 PM		2.40	0.00	64	85	1080	40	1:00	148.00	1536.00	149.00	3584.00	42.95%	57.05%	2040.00	6103.00	3.7%	9687.00	4.79	0.62	5.41	1562.5	0.1	9.0	0.3	46.5	12.2	C
Initial Production	3/6/19 2:00 PM		2.40	0.00	64	89	1068	40	1:00	149.00	1536.00	153.00	3648.00	41.83%	58.17%	2136.00	6192.00	3.8%	9840.00	4.89	0.62	5.51	1562.5	0.1	9.2	0.3	46.5	12.2	C
Initial Production	3/6/19 3:00 PM	Upstream - .01% / Downstream - 0%	2.30	0.00	64	90	1118	40	1:00	150.00	1536.00	154.00	3712.00	41.56%	58.44%	2160.00	6282.00	3.8%	9994.00	4.98	0.62	5.60	1497.395833	0.1	8.9	0.3	46.5	12.2	C
Initial Production	3/6/19 4:00 PM	Water Weight = 10 ppg Oil API = 42.89 @ 60°F	2.40	0.00	61	74	1068	40	1:00	151.00	1464.00	135.00	3773.00	45.19%	54.81%	1776.00	6356.00	3.9%	10129.00	5.08	0.62	5.70	1639.344262	0.1	9.5	0.4	44.4	12.3	C
Initial Production	3/6/19 5:00 PM		2.30	0.00	64	79	1079	40	1:00	152.00	1536.00	143.00	3837.00	44.76%	55.24%	1896.00	6435.00	3.9%	10272.00	5.18	0.62	5.80	1497.395833	0.1	9.5	0.3	46.5	12.3	C
Initial Production	3/6/19 6:00 PM		2.48	0.00	66	91	1092	40	1:00	153.00	1584.00	157.00	3903.00	42.04%	57.96%	2184.00	6526.00	4.0%	10429.00	5.28	0.62	5.90	1568.181818	0.1	9.6	0.3	48.0	12.4	C
Initial Production	3/6/19 7:00 PM	Upstream - .02% / Downstream - 0%	2.50	0.00	64	91	1084	40	1:00	154.00	1536.00	155.00	3967.00	41.29%	58.71%	2184.00	6617.00	4.0%	10584.00	5.39	0.62	6.01	1630.208333	0.1	9.8	0.3	46.5	12.4	C
Initial Production	3/6/19 8:00 PM	Water Weight = 10 ppg Oil API = 42.14 @ 60°F	2.53	0.00	65	83	1093	40	1:00	155.00	1560.00	148.00	4032.00	43.92%	56.08%	1992.00	6700.00	4.1%	10732.00	5.49	0.62	6.11	1619.871795	0.1	9.8	0.3	47.3	12.4	C
Initial Production	3/6/19 9:00 PM		2.52	0.00	63	83	1095	40	1:00	156.00	1512.00	146.00	4095.00	43.15%	56.85%	1992.00	6783.00	4.1%	10878.00	5.60	0.62	6.22	1667.989418	0.1	9.9	0.3	45.8	12.5	C
Initial Production	3/6/19 10:00 PM		2.49	0.00	64	91	1096	40	1:00	157.00	1536.00	155.00	4159.00	41.29%	58.71%	2184.00	6874.00	4.2%	11033.00	5.70	0.62	6.32	1623.697917	0.1	10.1	0.3	46.5	12.5	C
Initial Production	3/6/19 11:00 PM	Upstream - .01% / Downstream - 0%	2.51	0.00	64	94	1096	40	1:00	158.00	1536.00	158.00	4223.00	40.51%	59.49%	2256.00	6968.00	4.2%	11191.00	5.81	0.62	6.42	1638.416667	0.1	10.2	0.3	46.5	12.6	C
Initial Production	3/7/19 12:00 AM	Water Weight = 10 ppg Oil API = 42.21 @ 60°F H2S = 0 PPM	2.52	0.00	64	83	1094	40	1:00	159.00	1536.00	147.00	4287.00	43.54%	56.46%	1992.00	7051.00	4.3%	11338.00	5.91	0.62	6.53	1632.369792	0.1	10.4	0.3	46.5	12.6	C
Initial Production	3/7/19 1:00 AM		2.53	0.00	65	92	1088	40	1:00	160.00	1560.00	157.00	4352.00	41.40%	58.60%	2208.00	7143.00	4.4%	11495.00	6.02	0.62	6.63	1619.871795	0.1	10.6	0.3	47.3	12.6	C
Initial Production	3/7/19 2:00 AM		2.48	0.00	64	77	1090	40	1:00	161.00	1536.00	141.00	4416.00	45.39%	54.61%	1848.00	7220.00	4.4%	11636.00	6.12	0.62	6.74	1611.328125	0.1	10.7	0.3	46.5	12.7	C
Initial Production	3/7/19 3:00 AM	Upstream - .01% / Downstream - 0%	2.51	0.00	65	74	1094	40	1:00	162.00	1560.00	139.00	4481.00	46.76%	53.24%	1776.00	7294.00	4.4%	11775.00	6.22	0.62	6.84	1605.769231	0.1	10.8	0.3	47.3	12.7	C
Initial Production	3/7/19 4:00 AM	Water Weight = 10 ppg Oil API = 42.42 @ 60°F	2.55	0.00	65	86	1076	40	1:00	163.00	1560.00	151.00	4546.00	43.05%	56.95%	2064.00	7380.00	4.5%	11926.00	6.33	0.62	6.95	1634.615385	0.1	11.1	0.3	47.3	12.8	C
Initial Production	3/7/19 5:00 AM		2.54	0.00	64	79	1079	40	1:00	164.00	1536.00	143.00	4610.00	44.76%	55.24%	1896.00	7459.00	4.5%	12069.00	6.44	0.62	7.05	1653.645833	0.1	11.2	0.3	46.5	12.8	C
Initial Production	3/7/19 6:00 AM		2.40	0.00	62	82	1084	40	1:00	165.00	1488.00	144.00	4672.00	43.06%	56.94%	1968.00	7541.00	4.6%	12213.00	6.54	0.62	7.15	1612.903226	0.1	11.3	0.3	45.1	12.8	C
Initial Production	3/7/19 7:00 AM		2.40	0.00	66	77	1080	40	1:00	166.00	1584.00	143.00	4738.00	46.15%	53.85%	1848.00	7618.00	4.6%	12356.00	6.64	0.62	7.25	1515.151515	0.1	11.4	0.3	48.0	12.9	C
Initial Production	3/7/19 8:00 AM	Water Weight = 10 ppg Oil API = 42.42 @ 60°F	2.40	0.00	65	81	1072	40	0:14	167.00	1560.00	146.00	4803.00	44.52%	55.48%	1944.00	7699.00	4.7%	12502.00	6.74	0.62	7.35	1538.461538	0.1	11.7	0.3	47.3	12.9	C

Version 20190404

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY

Company Name	TechnipFMC	
Well Name	A-FERGUSON SMITH-LE-155-95-3031H-1	
API Number		
Area Work Team	C	
Field	CA	
Formation	TF	
Area (Acres)	1280	
Date on Location	6/1/2019	
Initial Flowback Date	6/17/19 11:00 AM	
Flowback Company	TechnipFMC	
Responsible Contractor	Alex Feierabend	
Phone Contact	701-389-1024	
Initial Shut-in Tubing Pressure (Psi)	1,015	PSI

FRAC JOB SUMMARY

Type Frac Job	Hydraulic Frac	
TOTAL Clean Fluid Pumped	237,122	BBLS
TOTAL Sand Pumped	12,276,140	LBS
Proposed # Stages	42	Stages
Effective # Stages	42	Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
Flowback Crew / Hess FB Supervisor
Flowback
Automatic

Event Phase	Date MM/DD/YY TIME	Remarks	Flared Gas Rate (FB) MMscfd	Sales Gas Rate MMscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psi(g)	Choke Size in (#/64)	Duration hrs	Cum Time hrs
	6/21/18 8:00 PM	Report start time	0.00	0.00	0	0	1590	0	0:00	0
Standard Work	6/17/19 8:30 AM	TFMC Begins Rig over to H-8 and prepare for pressure test							2:00	0.00
Standard Work	6/17/19 10:30 AM	TFMC Performing Manifold Maintenance							1:15	2.00
Standard Work	6/17/19 11:45 AM	Rig Over complete, Begin Pressure test							0:45	3.25
Standard Work	6/17/19 12:30 PM	Pressure test Complete and succesful. TFMC Preparing to open well							0:30	4.00
Initial Flowback	6/17/19 1:00 PM	Open well to Flow on 18/64" choke @ 983 psi					839	18	1:00	4.50
Initial Flowback	6/17/19 2:00 PM	1315 Increase Choke to 20/64" well loading up 1320 Increase choke to 22/64" well loading up 1330 Increase choke to 96/64" gut line well Loading up	0.00	0.00	0	33	26	96	1:00	5.50
Initial Flowback	6/17/19 3:00 PM	Well open to Open top on 96/64" gut line. Waiting for D&L to perform Pumpdown	0.00	0.00	0	60	11	96	1:00	6.50
Initial Flowback	6/17/19 4:00 PM	Well open to Open top on 96/64" gut line. Waiting for D&L to perform Pumpdown	0.00	0.00	0	3	9	96	0:10	7.50
Initial Flowback	6/17/19 4:10 PM	D&L Hot oiler on location for pumpdown							0:35	7.67
Well Shut In	6/17/19 4:45 PM	Hot Oiler Rigged up Shut in Well and Begin pumping. See pumpdown Log for details							0:01	8.25
NPT	6/17/19 4:46 PM	Begin Pumpdown of Well to attempt to clear potential sand bridge							1:04	8.27
NPT	6/17/19 5:50 PM	Pumpdown Complete 78 Bbls pumped. Rig down Hot oiler and prepare to open well							0:10	8.33
NPT	6/17/19 6:00 PM	Open well to Flow on a 96/64" gut line to Open too tank.				0	668	96	0:15	8.50
NPT	6/17/19 6:15 PM	Well Dead. TFMC Monitoring pressure and returns as instructed							0:45	8.75
NPT	6/17/19 7:00 PM	Well Dead. TFMC Monitoring pressure and returns as instructed				1	42	96	1:00	10.50
NPT	6/17/19 8:00 PM	Well Dead. TFMC Monitoring pressure and returns as instructed				0	22	96	1:00	11.50
NPT	6/17/19 9:00 PM	Well Dead. TFMC Monitoring pressure and returns as instructed				1	6	96	1:00	12.50
NPT	6/17/19 10:00 PM	Well Dead. TFMC Monitoring pressure and returns as instructed				0	4	96	1:00	13.50
NPT	6/17/19 11:00 PM	Well Dead. TFMC Monitoring pressure and returns as instructed				1	1	96	1:00	14.50
NPT	6/18/19 12:00 AM	Well Dead. TFMC Monitoring pressure and returns as instructed				0	8	96	1:00	15.50
NPT	6/18/19 1:00 AM	Well Dead. TFMC Monitoring pressure and returns as instructed				1	96	96	1:00	16.50
NPT	6/18/19 2:00 AM	Well Dead. TFMC Monitoring pressure and returns as instructed				0	41	96	1:00	17.50
NPT	6/18/19 3:00 AM	Well Dead. TFMC Monitoring pressure and returns as instructed				1	24	96	1:00	18.50
NPT	6/18/19 4:00 AM	Well Dead. TFMC Monitoring pressure and returns as instructed				0	50	96	1:00	19.50
NPT	6/18/19 5:00 AM	Well Dead. TFMC Monitoring pressure and returns as instructed				0	48	96	1:00	20.50
NPT	6/18/19 6:00 AM	Well Dead. TFMC Monitoring pressure and returns as instructed				1	23	96	1:00	21.50
NPT	6/18/19 7:00 AM	Well Dead. TFMC Monitoring pressure and returns as instructed				0	47	96	1:00	22.50
NPT	6/18/19 8:00 AM	Well Dead. TFMC Monitoring pressure and returns as instructed				0	12	96	0:15	23.50
Well Shut In	6/18/19 8:15 AM	Hot oiler on location and rigging up for pumpdown							0:15	23.75
NPT	6/18/19 8:30 AM	Hot Oiler Begins Pumpdown. See pumpdown Log (2) for Details							1:00	24.00
NPT	6/18/19 9:30 AM	Hot oiler Finished pumpdown					1020		0:15	25.00
Initial Flowback	6/18/19 9:45 AM	Open well to flow on 96/64" to open too tank at 1020 psi					1020	96	0:15	25.25
Initial Flowback	6/18/19 10:00 AM		5.00	0.00		96	115	96	1:00	26.50
Initial Flowback	6/18/19 11:00 AM		0.07	0.00		34	100	96	0:30	26.50
Initial Flowback	6/18/19 11:30 AM	Key Swabbing rig on location to rig up					70	96	0:30	27.00
Initial Flowback	6/18/19 12:00 PM	Well coming around				43	100	96	0:30	27.50
Initial Flowback	6/18/19 12:30 PM	Divert Flow to Vessel on 96/64" gut line at 870 psi. Gas to surface					870	96	0:30	28.00
Initial Flowback	6/18/19 1:00 PM	Reduce Choke to 30/64" target 130bph	1.43	0.00	0	66	622	30	1:00	28.50
Initial Production	6/18/19 2:00 PM	Oil to sales at 1:45 PM Key Swabbing Rig Released as Well is Flowing on it's own	0.21	1.68	0	100	911	30	1:00	29.50
Initial Production	6/18/19 3:00 PM		0.63	1.28	1	91	918	36	1:00	30.50
Initial Production	6/18/19 4:00 PM	Water Weight = 10 ppg API = 41.48	0.74	0.94	48	78	925	36	1:00	31.50

Date MM/DD/YY TIME	Oil Daily bbl/day	Total Fluid bbl/hr	Oil Cum bbl	Oil Cut %	Water Cut %	Water Daily bbl/day	Water Cum bbl	Load Recovery %	Total Liq Cum bbl	Flared Gas Cum MMscf	Sales Gas Cum MMSCF	Total Gas Cum MMSCF	GOR scf/bbl	BFPH/FTP (bbls/psi)	Cum FTPH/FTP (bbl/psi)	1/PI (psi/bbl)	BO/Stage (bbls/stg)	SQRT (t) (Hours^0.5)
6/21/18 8:00 PM	0.00	0	0	[illegible]	[illegible]		0	0.0%	0	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	0.0
6/17/19 8:30 AM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	0.0
6/17/19 10:30 AM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	1.4
6/17/19 11:45 AM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	1.8
6/17/19 12:30 PM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	2.0
6/17/19 1:00 PM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	0.00	0.0%	0.00	0.00	0.00	0.00	[illegible]	0.0	0.0	[illegible]	0.0	2.1
6/17/19 2:00 PM	0.00	33.00	0.00	0.00%	100.00%	792.00	33.00	0.0%	33.00	0.00	0.00	0.00	[illegible]	1.3	1.3	[illegible]	0.0	2.3
6/17/19 3:00 PM	0.00	60.00	0.00	0.00%	100.00%	1440.00	93.00	0.0%	93.00	0.00	0.00	0.00	[illegible]	5.5	8.5	[illegible]	0.0	2.5
6/17/19 4:00 PM	0.00	3.00	0.00	0.00%	100.00%	72.00	96.00	0.0%	96.00	0.00	0.00	0.00	[illegible]	0.6	19.2	[illegible]	0.0	2.7
6/17/19 4:10 PM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	96.00	0.0%	96.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	2.8
6/17/19 4:45 PM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	96.00	0.0%	96.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	2.9
6/17/19 4:46 PM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	96.00	0.0%	96.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	2.9
6/17/19 5:50 PM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	96.00	0.0%	96.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	3.1
6/17/19 6:00 PM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	96.00	0.0%	96.00	0.00	0.00	0.00	[illegible]	0.0	0.1	[illegible]	0.0	3.1
6/17/19 6:15 PM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	96.00	0.0%	96.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	3.1
6/17/19 7:00 PM	0.00	1.00	0.00	0.00%	100.00%	24.00	97.00	0.0%	97.00	0.00	0.00	0.00	[illegible]	0.0	2.3	[illegible]	0.0	3.2
6/17/19 8:00 PM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	97.00	0.0%	97.00	0.00	0.00	0.00	[illegible]	0.0	4.4	[illegible]	0.0	3.4
6/17/19 9:00 PM	0.00	1.00	0.00	0.00%	100.00%	24.00	98.00	0.0%	98.00	0.00	0.00	0.00	[illegible]	0.2	19.6	[illegible]	0.0	3.5
6/17/19 10:00 PM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	98.00	0.0%	98.00	0.00	0.00	0.00	[illegible]	0.0	24.5	[illegible]	0.0	3.7
6/17/19 11:00 PM	0.00	1.00	0.00	0.00%	100.00%	24.00	99.00	0.0%	99.00	0.00	0.00	0.00	[illegible]	1.0	99.0	[illegible]	0.0	3.8
6/18/19 12:00 AM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	99.00	0.0%	99.00	0.00	0.00	0.00	[illegible]	0.0	16.5	[illegible]	0.0	3.9
6/18/19 1:00 AM	0.00	1.00	0.00	0.00%	100.00%	24.00	100.00	0.0%	100.00	0.00	0.00	0.00	[illegible]	0.0	1.2	[illegible]	0.0	4.1
6/18/19 2:00 AM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	100.00	0.0%	100.00	0.00	0.00	0.00	[illegible]	0.0	2.4	[illegible]	0.0	4.2
6/18/19 3:00 AM	0.00	1.00	0.00	0.00%	100.00%	24.00	101.00	0.0%	101.00	0.00	0.00	0.00	[illegible]	0.0	4.2	[illegible]	0.0	4.3
6/18/19 4:00 AM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	101.00	0.0%	101.00	0.00	0.00	0.00	[illegible]	0.0	2.0	[illegible]	0.0	4.4
6/18/19 5:00 AM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	101.00	0.0%	101.00	0.00	0.00	0.00	[illegible]	0.0	1.6	[illegible]	0.0	4.5
6/18/19 6:00 AM	0.00	1.00	0.00	0.00%	100.00%	24.00	102.00	0.0%	102.00	0.00	0.00	0.00	[illegible]	0.0	4.4	[illegible]	0.0	4.6
6/18/19 7:00 AM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	102.00	0.0%	102.00	0.00	0.00	0.00	[illegible]	0.0	2.2	[illegible]	0.0	4.7
6/18/19 8:00 AM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	102.00	0.0%	102.00	0.00	0.00	0.00	[illegible]	0.0	8.5	[illegible]	0.0	4.8
6/18/19 8:15 AM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	102.00	0.0%	102.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	4.9
6/18/19 8:30 AM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	102.00	0.0%	102.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	0.0	4.9
6/18/19 9:30 AM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	102.00	0.0%	102.00	0.00	0.00	0.00	[illegible]	0.0	0.1	[illegible]	0.0	5.0
6/18/19 9:45 AM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	102.00	0.0%	102.00	0.00	0.00	0.00	[illegible]	0.0	0.1	[illegible]	0.0	5.0
6/18/19 10:00 AM	0.00	96.00	0.00	0.00%	100.00%	2304.00	198.00	0.1%	198.00	0.00	0.00	0.00	[illegible]	0.8	1.8	[illegible]	0.0	5.0
6/18/19 11:00 AM	0.00	34.00	0.00	0.00%	100.00%	816.00	232.00	0.1%	232.00	0.00	0.00	0.00	[illegible]	0.3	2.3	[illegible]	0.0	5.1
6/18/19 11:30 AM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	232.00	0.1%	232.00	0.00	0.00	0.00	[illegible]	0.0	3.3	[illegible]	0.0	5.2
6/18/19 12:00 PM	0.00	43.00	0.00	0.00%	100.00%	1032.00	275.00	0.1%	275.00	0.00	0.00	0.00	[illegible]	0.4	2.8	[illegible]	0.0	5.2
6/18/19 12:30 PM	0.00	0.00	0.00	[illegible]	[illegible]	0.00	275.00	0.1%	275.00	0.00	0.00	0.00	[illegible]	0.0	0.1	[illegible]	0.0	5.3
6/18/19 1:00 PM	0.00	66.00	0.00	0.00%	100.00%	1584.00	341.00	0.1%	341.00	0.06	0.00	0.06	[illegible]	0.1	0.5	[illegible]	0.0	5.3
6/18/19 2:00 PM	0.00	100.00	0.00	0.00%	100.00%	2400.00	441.00	0.2%	441.00	0.07	0.07	0.14	[illegible]	0.1	0.5	[illegible]	0.0	5.4
6/18/19 3:00 PM	24.00	92.00	1.00	1.09%	98.91%	2184.00	532.00	0.2%	533.00	0.09	0.12	0.22	75416.66667	0.1	0.6	25.5	0.6	5.5
6/18/19 4:00 PM	1152.00	126.00	49.00	38.10%	61.90%	1872.00	610.00	0.3%	659.00	0.12	0.14	0.26	934.8958333	0.1	0.7	0.5	27.4	5.6

Initial Production	6/18/19 5:00 PM		0.31	0.83	43	71	877	36	1:00	32.50	1032.00	114.00	92.00	37.72%	62.28%	1704.00	661.00	0.3%	773.00	0.14	0.17	0.31	1108.569147	0.1	0.9	0.8	24.6	5.7
Initial Production	6/18/19 6:00 PM		0.91	0.36	50	63	960	36	1:00	33.50	1200.00	115.00	142.00	44.35%	55.75%	1512.00	744.00	0.3%	886.00	0.17	0.19	0.36	1075	0.1	0.9	0.5	26.6	5.8
Initial Production	6/18/19 7:00 PM		1.02	0.38	48	72	957	36	1:00	34.50	1152.00	120.00	190.00	40.00%	60.00%	1728.00	816.00	0.3%	1006.00	0.22	0.20	0.42	1215.277778	0.1	1.1	0.5	27.4	5.9
Initial Production	6/18/19 8:00 PM	Water Weight = 10 ppg API = 41.18	1.07	0.26	50	76	968	36	1:00	35.50	1200.00	126.00	240.00	39.68%	60.32%	1824.00	892.00	0.4%	1132.00	0.28	0.21	0.48	1113.333333	0.1	1.2	0.5	28.6	6.0
Initial Production	6/18/19 9:00 PM		1.06	0.29	52	70	983	36	1:00	36.50	1248.00	122.00	292.00	42.62%	57.38%	1680.00	962.00	0.4%	1254.00	0.31	0.23	0.53	1081.739760	0.1	1.3	0.4	29.7	6.0
Initial Production	6/18/19 10:00 PM		1.00	0.34	52	72	1004	36	1:00	37.50	1248.00	124.00	344.00	41.94%	58.06%	1728.00	1034.00	0.4%	1378.00	0.35	0.24	0.59	1145.833333	0.1	1.4	0.4	29.7	6.1
Initial Production	6/18/19 11:00 PM		1.17	0.29	54	71	1004	36	1:00	38.50	1296.00	125.00	398.00	43.20%	56.80%	1704.00	1105.00	0.5%	1503.00	0.40	0.25	0.65	1126.54321	0.1	1.5	0.4	30.9	6.2
Initial Production	6/19/19 12:00 AM	Water Weight = 10 ppg API = 41.33 H2S= 0 PPM	1.13	0.29	54	74	1004	36	1:00	39.50	1296.00	128.00	452.00	42.19%	57.81%	1776.00	1179.00	0.5%	1631.00	0.45	0.26	0.71	1095.679012	0.1	1.6	0.4	30.9	6.3
Initial Production	6/19/19 1:00 AM		1.19	0.29	54	65	1008	36	1:00	40.50	1296.00	119.00	506.00	45.38%	54.62%	1680.00	1244.00	0.5%	1750.00	0.50	0.28	0.77	1141.975309	0.1	1.7	0.4	30.9	6.4
Initial Production	6/19/19 2:00 AM		1.23	0.31	55	68	1012	36	1:00	41.50	1320.00	123.00	561.00	44.72%	55.28%	1632.00	1312.00	0.6%	1873.00	0.55	0.29	0.84	1166.666667	0.1	1.9	0.4	31.4	6.4
Initial Production	6/19/19 3:00 AM		1.20	0.29	55	65	1004	36	1:00	42.50	1320.00	120.00	616.00	45.83%	54.17%	1560.00	1377.00	0.6%	1993.00	0.60	0.30	0.90	1128.787879	0.1	2.0	0.4	31.4	6.5
Initial Production	6/19/19 4:00 AM	Water Weight = 10 ppg API = 41.26	1.17	0.32	66	76	1016	36	1:00	43.50	1584.00	142.00	682.00	46.48%	53.52%	1824.00	1453.00	0.6%	2135.00	0.65	0.32	0.96	940.6565657	0.1	2.1	0.3	37.7	6.6
Initial Production	6/19/19 5:00 AM		1.26	0.31	56	67	1007	36	1:00	44.50	1344.00	123.00	736.00	45.53%	54.47%	1608.00	1520.00	0.6%	2258.00	0.70	0.33	1.03	1168.164782	0.1	2.2	0.4	32.0	6.7
Initial Production	6/19/19 6:00 AM		1.16	0.31	56	88	1013	36	1:00	45.50	1344.00	144.00	794.00	38.89%	61.11%	2112.00	1608.00	0.7%	2402.00	0.75	0.34	1.09	1092.261905	0.1	2.4	0.4	32.0	6.7
Initial Production	6/19/19 7:00 AM		1.32	0.32	56	76	1015	36	1:00	46.50	1344.00	132.00	850.00	42.42%	57.58%	1824.00	1684.00	0.7%	2534.00	0.80	0.36	1.16	1223.958333	0.1	2.5	0.4	32.0	6.8
Initial Production	6/19/19 8:00 AM	Water Weight = 10 ppg API = 41.26	1.25	0.36	61	66	1020	36	1:00	47.50	1464.00	127.00	911.00	48.03%	51.97%	1584.00	1750.00	0.7%	2661.00	0.85	0.37	1.22	1101.775956	0.1	2.6	0.3	34.9	6.9
Initial Production	6/19/19 9:00 AM		1.31	0.31	53	65	1035	36	1:00	48.50	1272.00	118.00	964.00	44.92%	55.08%	1560.00	1815.00	0.8%	2779.00	0.91	0.38	1.29	1272.012579	0.1	2.7	0.4	30.3	7.0
Initial Production	6/19/19 10:00 AM		1.04	0.36	60	74	1022	36	1:00	49.50	1440.00	134.00	1024.00	44.78%	55.22%	1776.00	1889.00	0.8%	2913.00	0.95	0.40	1.35	988.4444444	0.1	2.9	0.4	34.3	7.0
Initial Production	6/19/19 11:00 AM		1.21	0.34	50	63	998	36	1:00	50.50	1200.00	113.00	1074.00	44.25%	55.75%	1512.00	1952.00	0.8%	3026.00	1.00	0.41	1.41	1260.833333	0.1	3.0	0.4	28.6	7.1
Initial Production	6/19/19 12:00 PM	Water Weight = 10 ppg API = 41.33 H2S= 0 PPM	1.25	0.36	59	65	1021	36	1:00	51.50	1416.00	124.00	1133.00	47.58%	52.42%	1560.00	2017.00	0.9%	3150.00	1.05	0.43	1.48	1139.830508	0.1	3.1	0.4	33.7	7.2
Initial Production	6/19/19 1:00 PM		1.28	0.34	59	62	1010	36	1:00	52.50	1416.00	121.00	1192.00	48.76%	51.24%	1488.00	2079.00	0.9%	3271.00	1.11	0.44	1.55	1139.830508	0.1	3.2	0.4	33.7	7.2
Initial Production	6/19/19 2:00 PM		1.30	0.36	59	60	1026	36	1:00	53.50	1416.00	119.00	1251.00	49.58%	50.42%	1440.00	2139.00	0.9%	3390.00	1.16	0.46	1.62	1173.728814	0.1	3.3	0.4	33.7	7.3
Initial Production	6/19/19 3:00 PM		1.32	0.36	59	74	1035	36	1:00	54.50	1416.00	133.00	1310.00	44.36%	55.64%	1776.00	2213.00	0.9%	3523.00	1.22	0.47	1.69	1182.909605	0.1	3.4	0.3	33.7	7.4
Initial Production	6/19/19 4:00 PM	Water Weight = 10 ppg API = 41.26	1.30	0.36	60	61	1025	36	1:00	55.50	1440.00	121.00	1370.00	49.59%	50.41%	1464.00	2274.00	1.0%	3644.00	1.27	0.49	1.76	1152.777778	0.1	3.6	0.4	34.3	7.4
Initial Production	6/19/19 5:00 PM		1.70	0.36	57	62	1023	36	1:00	56.50	1368.00	119.00	1427.00	47.90%	52.10%	1488.00	2336.00	1.0%	3763.00	1.34	0.50	1.84	1605.847953	0.1	3.7	0.4	32.6	7.5
Initial Production	6/19/19 6:00 PM		1.27	0.34	60	58	1021	36	1:00	57.50	1440.00	118.00	1487.00	50.85%	49.15%	1392.00	2394.00	1.0%	3881.00	1.40	0.51	1.91	1118.055556	0.1	3.8	0.4	34.3	7.6
Initial Production	6/19/19 7:00 PM		1.29	0.38	58	57	1025	36	1:00	58.50	1392.00	115.00	1545.00	50.43%	49.57%	1368.00	2451.00	1.0%	3996.00	1.45	0.53	1.98	1190.63908	0.1	3.9	0.4	33.1	7.6
Initial Production	6/19/19 8:00 PM	Water Weight = 10 ppg API = 41.22	1.34	0.36	59	63	1022	36	1:00	59.50	1416.00	122.00	1604.00	48.36%	51.64%	1512.00	2514.00	1.1%	4118.00	1.50	0.55	2.05	1200.564972	0.1	4.0	0.4	33.7	7.7
Initial Production	6/19/19 9:00 PM		1.29	0.36	52	61	1028	36	1:00	60.50	1248.00	113.00	1656.00	46.02%	53.98%	1464.00	2575.00	1.1%	4231.00	1.56	0.56	2.12	1322.115385	0.1	4.1	0.4	29.7	7.8
Initial Production	6/19/19 10:00 PM		1.28	0.36	58	66	1024	36	1:00	61.50	1392.00	124.00	1714.00	46.77%	53.23%	1584.00	2641.00	1.1%	4355.00	1.61	0.58	2.19	1177.442529	0.1	4.3	0.4	33.1	7.8
Initial Production	6/19/19 11:00 PM		1.33	0.38	57	66	1023	36	1:00	62.50	1368.00	123.00	1771.00	46.34%	53.66%	1584.00	2707.00	1.1%	4478.00	1.67	0.59	2.26	1250	0.1	4.4	0.4	32.6	7.9
Initial Production	6/20/19 12:00 AM	Water Weight = 10 ppg API = 41.38 H2S= 0 PPM	1.33	0.38	58	63	1021	36	1:00	63.50	1392.00	121.00	1829.00	47.93%	52.07%	1512.00	2770.00	1.2%	4599.00	1.72	0.61	2.33	1231.321839	0.1	4.5	0.4	33.1	8.0
Initial Production	6/20/19 1:00 AM		1.31	0.36	60	54	1022	36	1:00	64.50	1440.00	114.00	1889.00	52.63%	47.37%	1296.00	2824.00	1.2%	4713.00	1.78	0.62	2.40	1159.722222	0.1	4.6	0.4	34.3	8.0
Initial Production	6/20/19 2:00 AM		1.30	0.38	60	48	1021	36	0:23	65.50	1440.00	108.00	1949.00	55.56%	44.44%	1152.00	2872.00	1.2%	4821.00	1.83	0.64	2.47	1166.666667	0.1	4.7	0.4	34.3	8.1
Well Shut In	6/20/19 2:23 AM	ISIP 1021							0:01	65.88	0.00	0.00	1949.00	[illegible]	[illegible]	0.00	2872.00	1.2%	4821.00	1.83	0.64	2.47	[illegible]	[illegible]	[illegible]	[illegible]	0.0	8.1
NPT	6/20/19 2:24 AM	Blue Light Production ESD due to High level 3 Phase. Salt Built up on dump restricting flow.							0:36	65.90	0.00	0.00	1949.00	[illegible]	[illegible]	0.00	2872.00	1.2%	4821.00	1.83	0.64	2.47	[illegible]	[illegible]	[illegible]	[illegible]	0.0	8.1
NPT	6/20/19 3:00 AM	Blue Light Production ESD due to High level 3 Phase. Salt Built up on dump restricting flow.			32	28	1530		0:01	66.50	528.00	50.00	1971.00	44.00%	56.00%	672.00	2900.00	1.2%	4871.00	1.83	0.64	2.47	0	0.0	3.2	0.0	12.6	8.2
Initial Production	6/20/19 3:01 AM	Open well to flow on a 36/64" choke at 1535 psig.							0:59	66.52	0.00	0.00	1971.00	[illegible]	[illegible]	0.00	2900.00	1.2%	4871.00	1.83	0.64	2.47	[illegible]	[illegible]	[illegible]	[illegible]	0.0	8.2
Initial Production	6/20/19 4:00 AM	Water Weight = 10 ppg API = 41.30	1.22	0.50	45	40	969	36	1:00	67.50	1080.00	85.00	2016.00	52.94%	47.06%	960.00	2940.00	1.2%	4956.00	1.86	0.68	2.54	1592.592593	0.1	5.1	0.5	28.7	8.2
Initial Production	6/20/19 5:00 AM		1.28	1.08	40	68	990	36	1:00	68.50	960.00	108.00	2056.00	37.04%	62.96%	1632.00	3008.00	1.3%	5064.00	1.94	0.70	2.64	2427.083333	0.1	5.1	0.6	22.9	8.3
Initial Production	6/20/19 6:00 AM		1.03	0.50	66	63	1005	36	1:00	69.50	1584.00	125.00	2122.00	51.16%	48.84%	1512.00	3071.00	1.3%	5193.00	1.98	0.72	2.70	988.9090909	0.1	5.2	0.3	37.7	8.3
Initial Production	6/20/19 7:00 AM		1.09	0.42	58	66	1015	36	1:00	70.50	1392.00	124.00	2180.00	46.77%	53.23%	1584.00	3137.00	1.3%	5317.00	2.02	0.74	2.76	1084.770115	0.1	5.2	0.4	33.1	8.4
Initial Production	6/20/19 8:00 AM	Water Weight = 10 ppg API = 42.03	1.10	0.41	56	61	1020	36	1:00	71.50	1344.00	117.00	2236.00	47.86%	52.14%	1464.00	3198.00	1.3%	5434.00	2.07	0.76	2.83	1128.511905	0.1	5.3	0.4	32.0	8.5
Initial Production	6/20/19 9:00 AM		1.22	0.30	63	65	1013	36	1:00	72.50	1512.00	128.00	2299.00	49.22%	50.78%	1560.00	3263.00	1.4%	5562.00	2.12	0.77	2.89	1008.291005	0.1	5.5	0.3	36.0	8.5
Initial Production	6/20/19 10:00 AM		1.17	0.36	60	59	1020	36	1:00	73.50	1440.00	119.00	2359.00	50.42%	49.58%	1416.00	3322.00	1.4%	5681.00	2.17	0.79	2.95	1062.5	0.1	5.6	0.4	34.3	8.6
Initial Production	6/20/19 11:00 AM		1.17	0.46	61	62	1026	36	1:00	74.50	1464.00	123.00	2420.00	49.59%	50.41%	1488.00	3384.00	1.4%	5804.00	2.22	0.80	3.02	1113.387978	0.1	5.7	0.3	34.9	8.6
Initial Production	6/20/19 12:00 PM	Water Weight = 10 ppg API = 41.26 H2S= 0 PPM	1.20	0.16	54	58	1018	36	1:00	75.50	1296.00	112.00	2474.00	48.21%	51.79%	1392.00	3442.00	1.5%	5916.00	2.27	0.81	3.08	1003.06642	0.1	5.8	0.4	30.9	8.7
Initial Production	6/20/19 1:00 PM		1.32	0.22	61	64	1000	36	1:00	76.50	1464.00	125.00	2595.00	48.80%	51.20%	1536.00	3506.00	1.5%	6041.00	2.32	0.82	3.14	1051.912568	0.1	6.0	0.4	34.9	8.7
Initial Production	6/20/19 2:00 PM		1.27	0.30	53	67	1010	36	1:00	77.50	1272.00	120.00	2588.00	44.17%	55.83%	1608.00	3573.00	1.5%	6161.00	2.38	0.83	3.21	1234.27673	0.1	6.1	0.4	30.3	8.8
Initial Production	6/20/19 3:00 PM		1.48	0.09	61	62	1014	36	1:00	78.50	1464.00	123.00	2648.00	49.59%	50.41%	1488.00	3635.00	1.5%	6284.00	2.44	0.83	3.27	1072.404372	0.1	6.2	0.4	34.9	8.9
Initial Production	6/20/19 4:00 PM	Water Weight = 10 ppg API = 41.27	1.46	0.01	55	63	1011	36	1:00	79.50	1320.00	118.00	2704.00	46.61%	53.39%	1512.00	3698.00	1.6%	6402.00	2.50	0.84	3.33	1115.909091	0.1	6.3	0.4	31.4	8.9
Initial Production	6/20/19 5:00 PM		0.00	1.58	58	63	1014	36	1:00	80.50	1392.00	121.00	2792.00	47.93%	52.07%	1512.00	3761.00	1.6%	6523.00	2.50	0.90	3.40	1135.057471	0.1	6.4	0.4	33.1	9.0
Initial Production	6/20/19 6:00 PM		0.00	1.53	59	70	1008	36	1:00	81.50	1416.00	129.00	2821.00	45.74%	54.26%	1680.00	3831.00	1.6%	6652.00	2.50	0.96	3.46	1080.508475	0.1	6.6	0.4	33.7	9.0
Initial Production	6/20/19 7:00 PM		0.00	1.53	58	56	1009	36	1:00	82.50	1392.00	114.00	2878.00	50.88%	49.12%	1344.00	3887.00	1.6%	6766.00	2.50	1.03	3.53	1099.137931	0.1	6.7	0.4	33.1	9.1
Initial Production	6/20/19 8:00 PM	Water Weight = 10 ppg API = 41.38	0.00	1.53	58	60	1007	36	1:00	83.50	1392.00	118.00	2937.00	49.15%	50.85%	1440.00	3947.00	1.7%	6884.00	2.50	1.09	3.59	1099.137931	0.1	6.8	0.4	33.1	9.1
Initial Production	6/20/19 9:00 PM		0.00	1.53	57	58	1000	36	1:00	84.50	1368.00	115.00	2994.00	49.57%	50.43%	1392.00	4006.00	1.7%	6999.00	2.50	1.16	3.66	1118.421053	0.1	7.0	0.4	32.6	9.2
Initial Production	6/20/19 10:00 PM		0.00	1.48	58	60	999	36	1:00	85.50	1392.00	118.00	3052.00	49.15%	50.85%	1440.00	4065.00	1.7%	7117.00	2.50	1.22	3.72	1063.218391	0.1	7.1	0.4	33.1	9.2
Initial Production	6/20/19 11:00 PM	(11:01)Increased choke to 38/64th	0.00	1.56	57	61	1003	36	1:00	86.50	1368.00	118.00	3109.00	48.31%	51.69%	1464.00	4126.00	1.7%	7235.00	2.50	1.28	3.78	1140.350877	0.1	7.2	0.4	32.6	9.3
Initial Production	6/21/19 12:00 AM	Water Weight = 10 ppg API = 41.30 H2S= 0 PPM	0.00	1.58	58	62	969	36	1:00	87.50	1392.00	120.00	3167.00	48.33%	51.67%	1488.00	4188.00	1.8%	7355.00	2.50	1.35	3.85	1136.057471	0.1	7.4	0.4	33.1	9.4
Initial Production	6/21/19 1:00 AM		0.00	1.58	59	63	975	38	1:00	88.50	1416.00	122.00	3226.00	48.36%	51.64%	1512.00	4251.00	1.8%	7477.00	2.50	1.41	3.91	1115.819209	0.1	7.7	0.4	33.7	9.4
Initial Production	6/21/19 2:00 AM		0.00	1.56	60	61	977	38	1:00	89.50	1440.00	121.00	3286.00	49.59%	50.41%	1464.00	4312.00	1.8%	7598.00	2.50	1.48	3.98	1083.333333	0.1	7.8	0.4	34.3	9.5
Initial Production	6/21/19 3:00 AM		0.00	1.56	60	67	975	38	1:00	90.50	1440.00	127.00	3346.00	47.24%	52.76%	1608.00	4379.00	1.8%	7725.00	2.50	1.54	4.04	1083.333333	0.1	7.9	0.4	34.3	9.5
Initial Production	6/21/19 4:00 AM	Water Weight = 10 ppg API = 41.26	0.00	1.56	58	59	974	38	1:00	91.50	1392.00	117.00	3404.00	49.57%	50.43%	1416.00	4438.00	1.9%	7842.00	2.50	1.61	4.11	1120.689655	0.1	8.1	0.4	33.1	9.6
Initial Production	6/21/19 5:00 AM		0.00	1.56	59	58	981	38	1:00	92.50	1416.00	117.00	3463.00	50.43%	49.57%	1392.00	4496.00	1.9%	7959.00	2.50	1.67	4.17	1101.694915	0.1	8.1	0.4	33.7	9.6
Initial Production	6/21/19 6:00 AM		0.00	1.58	60	54	978	38	1:00	93.50	1440.00	114.00	3523.00	52.63%	47.37%	1296.00	4550.00	1.9%	8073.00	2.50	1.74	4.24	1097.222222	0.1	8.3	0.4	34.3	9.7
Initial Production	6/21/19 7:00 AM		0.00	1.56	60	66	965	38	1:00	94.50	1440.00	126.00	3583.00	47.62%	52.38%	1584.00	4616.00	1.9%	8199.00	2.50	1.81	4.30	1097.222222	0.1	8.5	0.4	34.3	9.7
Initial Production	6/21/19 8:00 AM	Water Weight = 10 ppg API = 41.26	0.00	1.58	59	68	979	38	1:00	95.50	1416.00	127.00	3642.00	46.46%	53.54%	1632.00	4684.00	2.0%	8326.00	2.50	1.87	4.37	1115.819209	0.1	8.5	0.4	33.7	9.8
Initial Production	6/21/19 9:00 AM		0.00	1.56	59	59	979	38	1:00	96.50	1416.00	118.00	3701.00	50.00%	50.00%	1416.00	4743.00	2.0%	8444.00	2.50	1.94	4.43	1101.694915	0.1	8.6	0.4	33.7	9.8
Initial Production	6/21/19 10:00 AM		0.00	1.58	61	63	975	38	1:00	97.50	1464.00	124.00	3762.00	49.19%	50.81%	1512.00	4806.00	2.0%	8568.00	2.50	2.00	4.50	1079.234973	0.1	8.8	0.4	34.9	9.9
Initial Production	6/21/19 11:00 AM	Reduce Choke to 36/64" Target handover rate of 100 bfph	0.00	1.53	58	67	986	38	1:00	98.50	1392.00	125.00	3820.00	46.40%	53.60%	1608.00	4873.00	2.1%	8693.00	2.50	2.07	4.56	1099.137931	0.1	8.8	0.4	33.1	9.9
Initial Production	6/21/19 12:00 PM	Water Weight = 10 ppg API = 41.30 H2S= 0 PPM	0.00	1.65	57	54	977	36	1:00	99.50	1368.00	111.00	3877.00	51.35%	48.65%	1296.00	4927.00	2.1%	8804.00	2.50	2.14	4.63	1206.140351	0.1	9.0	0.4	32.6	10.0
Initial Production	6/21/19 1:00 PM	Reduce Choke to 34/64" Target Handover rate of 100 bfph	0.00	1.48	57	55	978	36	1:00	100.50	1368.00	112.00	3934.00	50.89%	49.11%	1320.00	4982.00	2.1%	8916.00	2.50	2.20	4.69	1061.871345	0.1	9.1	0.4	32.6	10.0
Initial Production	6/21/19 2:00 PM		0.00	1.51	54	58	1007	34	1:00	101.50	1296.00	112.00	3988.00	48.21%	51.79%	1392.00	5040.00	2.1%	9028.00	2.50	2.26	4.76	1165.123457	0.1	9.0	0.4	30.9	10.1
Initial Production	6/21/19 3:00 PM		0.00	1.39	49	53	1025	34	1:00	102.50	1176.00	102.00	4037.00	48.04%	51.96%	1272.00	5093.00	2.1%	9130.00	2.50	2.32	4.82	1181.972789	0.1	8.9	0.4	28.0	10.1
Initial Production	6/21/19 4:00 PM	Water Weight = 10 ppg API = 41.26	0.00	1.30	50	53	1009	34	1:00	103.50	1200.00	103.00	4087.00	48.54%	51.46%	1272.00	5146.00	2.2%	9233.00	2.50	2.37	4.87	1100	0.1	9.2	0.4	28.6	10.2
Initial Production	6/21/19 5:00 PM		0.00	1.39	49	53	1011	34	1:00	104.50	1176.00	102.00	4136.00	48.04%	51.96%	1272.00	5199.00	2.2%	9335.00	2.50	2.43	4.93	1181.972789	0.1	9.2	0.4	28.0	10.2
Initial Production	6/21/19 6:00 PM		0.00	1.37	47	54	1006	34	1:00	105.50	1128.00	101.00	4183.00	46.53%	53.47%	1296.00	5253.00	2.2%	9436.00	2.50	2.49	4.99	1214.539007	0.1	9.4	0.5	26.9	10.3
Initial Production	6/21/19 7:00 PM		0.00	1.37	48	54	1009	34	1:00	106.50	1152.00	102.00	4231.00	47.06%	52.94%	1296.00	5307.00	2.2%	9538.00	2.50	2.54	5.04	1189.236111	0.1	9.5	0.5	27.4	10.3
Initial Production	6/21/19 8:00 PM	Water Weight = 10 ppg API = 41.27	0.00	1.35	48	53	1001	34	1:00	107.50	1152.00	101.00	4279.00	47.52%	52.48%	1272.00	5360.00	2.3%	9639.00	2.50	2.60	5.10	1171.875	0.1	9.6	0.5	27.4	10.4
Initial Production	6/21/19 9:00 PM		0.00	1.38	48	55	998	34	1:00	108.50	1152.00	103.00	4327.00	46.60%	53.40%	1320.00	5415.00	2.3%	9742.00	2.50	2.66	5.16	1197.916667	0.1	9.8	0.5	27.4	10.4
Initial Production	6/21/19 10:00 PM		0.00	1.44	46	52	997	34	1:00	109.50	1104.00	98.00	4373.00	46.94%	53.06%	1248.00	5467.00	2.3%	9840.00	2.50	2.72	5.22	1304.347826	0.1	9.9	0.5	26.3	10.5
Initial Production	6/21/19 11:00 PM		0.00	1.38	50	53	994	34	1:00	110.50	1200.00	103.00	4423.00	48.54%	51.46%	1272.00	5520.00	2.3%	9943.00	2.50	2.78	5.27	1150	0.1	10.0	0.4	28.6	10.5
Initial Production	6/22/19 12:00 AM	Water Weight = 10 ppg API = 41.30 H2S= 0 PPM	0.00	1.34	48	50	996	34	1:00	111.50	1152.00	98.00	4471.00	48.98%	51.02%	1200.00	5570.00	2.3%	10041.00	2.50	2.83	5.33	1163.194444	0.1	10.1	0.5	27.4	10.6
Initial Production	6/22/19 1:00 AM		0.00	1.33	48	51	992	34	1:00	112.50	1152.00	99.00	4519.00	48.48%	51.52%	1224.00	5621.00	2.4%	10140.00	2.50	2.89	5.39	1164.513889	0.1	10.2	0.5	27.4	10.6
Initial Production	6/22/19 2:00 AM		0.00	1.43	48	53	997	34	1:00	113.50	1152.00	101.00	4567.00	47.52%	52.48%	1272.00	5674.00	2.4%	10241.00	2.50	2.95	5.44	1241.319444	0.1	10.3	0.5	27.4	10.7
Initial Production	6/22/19 3:00 AM		0.00	1.33	46	51	992	34	1:00	114.50	1104.00	97.00	4613.00	47.42%	52.58%	1224.00	5725.00	2.4%	10338.00	2.50	3.00	5.50	1204.710145	0.1	10.4	0.5	26.3	10.7
Initial Production	6/22/19 4:00 AM	Water Weight = 10 ppg API = 41.26	0.00	1.39	48	53	997	34	1:00	115.50	1152.00	101.00	4661.00	47.52%	52.48%	1272.00	5778.00	2.4%	10439.00	2.50	3.06	5.56	1206.597222	0.1	10.5	0.5	27.4	10.7
Initial Production	6/22/19 5:00 AM		0.00	1.20	47	58	998	34	1:00	116.50	1128.00	105.00	4708.00	44.76%	55.24%	1392.00	5836.00	2.5%	10544.00	2.50	3.11	5.61	1063.829787	0.1	10.6	0.5	26.9	10.8
Initial Production	6/22/19 6:00 AM		0.00	1.22	48	49	990	34	1:00	117.50	1152.00	97.00	4756.00	49.48%	50.52%	1176.00	5885.00	2.5%	10641.00	2.50	3.16	5.66	1059.027778	0.1	10.7	0.5	27.4	10.8
Initial Production	6/22/19 7:00 AM		0.00	1.22	47	58	988	34	1:00	118.50	1128.00	105.00	4803.00	44.76%	55.24%	1392.00	5943.00	2.5%	10746.00	2.50	3.21	5.71	1081.560284	0.1	10.9	0.5	26.9	10.9
Initial Production	6/22/19 8:00 AM		0.00	1.29	50	41	988	34	0:30	119.50	1200.00	91.00	4853.00	54.95%	45.05%	984.00	5984.00	2.5%	10837.00	2.50	3.27	5.76	1075	0.1	11.0	0.5	28.6	10.9
Flowback operations complete	6/22/19 8:30 AM	Turned well over to Production on a 34/64" with 986 psi(g) on the tubing	0.00		23	20	986	34	0:00	120.00	552.00	43.00	4876.00	53.49%	46.51%	480.00	6004.00	2.5%	10880.00	2.50	3.27	5.76	0	0.0	11.0	1.0	13.1	11.0

HESS 40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 3/9/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	CA-E BURDICK-155-95-1720H-2		API 3310504989
Coordinates	LATITUDE / LONGITUDE:	(b) (9) [redacted]	
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
3/18/19 2:00 PM	3/18/19 5:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
3/18/19 5:00 PM	3/22/19 8:01 AM	1.58	5.6429
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
3/18/19 5:00 PM	3/22/19 8:01 AM	0.48	1.4729
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments:			
Responsible Party (?)			
Name: Alex Feieraband	Title: Site Supervisor		
Email: [illegible]	Phone: 701-389-1429	Mobile: 701-389-1428	

(b) (9) [redacted]

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to: 8/2/19

Date: 3/9/2019

General Information	
Company Name:	Hess Bakken LLC, II
Lease/Well:	CA-E BURDICK-155-95-1720H-3
Coordinates:	LATITUDE/LONGITUDE (b) (9)

Initial Flowback			
Start Date & Time:	End Date & Time:	Rate: MMscf/d	Amount: MMscf
3/18/19 2:00 PM	3/18/19 3:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time:	End Date & Time:	Rate: MMscf/d	Amount: MMscf
3/18/19 3:00 PM	3/21/19 12:01 PM	2.08	6.0540
Initial Production - Flare (Facilities)			
Start Date & Time:	End Date & Time:	Rate: MMscf/d	Amount: MMscf
3/18/19 3:00 PM	3/21/19 12:01 PM	0.00	0.0000
Production through Facilities			
Start Date & Time:	End Date & Time:	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (1)					
Name:	Alex Feuerbond	Title:	Site Supervisor		
Email:	Alexander.feuerbond@hess.com	Phone:	701-389-1429	Mobile:	701-389-1429

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 3/13/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	CA-E BURDICK-155-95-1720H-4		API 3310504672
Coordinates:	LATITUDE/LONGITUDE:	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
3/14/19 3:00 PM	3/14/19 6:00 PM	0.01	0.0671

Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
3/14/19 6:00 PM	3/18/19 8:01 AM	0.28	0.234b

Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
3/14/19 6:00 PM	3/18/19 8:01 AM	1.83	6.2370

Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)					
Name:	Alex Fesenabend	**Title:**	Site Supervisor		
Email:	alexander.fesenabend@technip	**Phone**	701-389-1428	**Mobile:**	701-389-1428

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 3/9/2019

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	CA-E BURDICK-155-95-17/20H-5 API: 33105048/72
Coordinates:	LATITUDE/LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
3/14/19 2:40 PM	3/14/19 6:00 PM	0.79	0.0905

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
3/14/19 6:00 PM	3/18/19 8:01 AM	0.00	0.0000

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
3/14/19 6:00 PM	3/18/19 8:08 AM	2.18	7.4075

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Alex Fiskerabend	Title:	Site Supervisor		
Email:	Alexander.fiskerabend@hess.com	Phone:	701-389-1428	Mobile:	701-389-1428

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 3/9/2019

General Information	
Company Name:	Hess Bakken LLC, II
Lease/Well:	CA-E BURDICK-155-95-1720H-6
Coordinates:	LATITUDE/LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
3/10/19 2:30 PM	3/10/19 2:57 PM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
3/11/19 2:00 PM	3/14/19 8:24 AM	0.30	0.3535

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
3/11/19 2:00 PM	3/14/19 8:24 AM	2.20	6.0556

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Alex Feierabend	**Title:**	Site Supervisor		
Email:	david.abbott@technipfmc.com	**Phone:**	701-389-1428	**Mobile:**	701-389-1428

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 7/26/2018

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	CA-E BURDICK-155-95-1720H-8 API 3310504518
Coordinates:	LATITUDE / LONGITUDE (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/27/18 10:00 AM	7/27/18 6:00 PM	0.10	0.0083

Initial Production - Flare/Separator

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/27/18 6:00 PM	7/30/18 8:00 AM	0.00	0.0000

Initial Production - Flare Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/27/18 6:00 PM	7/30/18 8:00 AM	1.00	2.5675

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/30/18 8:00 AM	7/30/18 8:01 AM	0.00	0.0000

Comments: Flow to flare while treater is set up.

Responsible Party (?)

Name:	David Abbott	**Title:**	Site Supervisor		
Email:	david.abbott@technipfmc.com	**Phone:**	307-679-4764	**Mobile:**	307-679-4764

Digital Attachment of equipment layout

(b) (9)

Version 20180125

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY

Company Name	Hess
Well Name	CA-E BURDICK-LE-155-95-1720H-1
API Number	
[illegible]	C
Field	CA
Formation	TF
[illegible]	1280
[illegible]	3/8/2019
[illegible]	3/21/19 3:00 PM
Flowback Company	TechnipFMC
[illegible]	Alex Feuerstein
Phone Contact	701-380-1426
[illegible]	1,300 PSI

FRAC JOB SUMMARY

Type Frac Job	Hydraulic Frac
TOTAL Clean Fluid Pumped	168,203 BBLS
TOTAL Sand Pumped	10,151,169 LBS
Planned # Stages	34 Stages
Effective # Stages	34 Stages

[illegible]
[illegible]

Data Completed By:
- Flowback Crew / Hess FB Supervisor
- Flowback
- Automatic

Event Phase	Date MM/DD/YY TIME	Remarks	Flowed Gas Rate (FB: Mscf/d)	Sales Gas Rate Mscf/d	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psig	Choke Size (x/64)
	[illegible]	Report start time	0.00	0.00	0	0	[illegible]	0
Standard Work	3/21/19 12:00 PM	Begin rig over to LE-H-1						
Standard Work	3/21/19 1:00 PM	Rig up Complete and						
Standard Work	3/21/19 1:15 PM	Begin Pressure testing of Flow line						
Standard Work	3/21/19 1:30 PM	Pressure test complete and successful						
Initial Flowback	3/21/19 3:00 PM	Open well to flow on an 16/64" choke with 1300 psig on the tubing. Begin to Slowly [illegible] fluid flowback & monitor and increase chokes every hour to target 170 bph					1300	
Initial Flowback	3/21/19 4:00 PM	Water Weight = 9.3 ppg API = 19.5 @ 60 °F Increase Choke to 18/64 target 170 bph	0.28	0.00	11	103	1170	18
Initial Production	3/21/19 5:00 PM	BFPH = 146. Increase choke to 20/64th	0.69	0.00	14	58	1881	18
Initial Production	3/21/19 6:00 PM	BFPH = 95. Increase choke to 22/64th	1.03	0.00	47	48	1904	20
Initial Production	3/21/19 7:00 PM	BFPH = 93. Increase choke to 24/64th	1.06	0.00	46	46	1906	22
Initial Production	3/21/19 8:00 PM	BFPH = 104. Increase choke to 26/64th Water Weight = 10.0 ppg API = 42.92 @ 60 °F	1.28	0.00	54	50	1950	24
Initial Production	3/21/19 9:00 PM	BFPH = 121. Increase choke to 28/64th	1.40	0.00	65	56	1916	26
Initial Production	3/21/19 10:00 PM	BFPH = 138. Increase choke to 30/64th	1.58	0.00	73	65	1881	28
Initial Production	3/21/19 11:00 PM	BFPH = 146. Increase choke to 32/64th	1.74	0.00	84	62	1841	30
Initial Production	3/22/19 12:00 AM	BFPH = 161. Increase choke to 34/64th Water Weight = 10.0 ppg API = 42.92 @ 60 °F H2S = 0.00 ppm	2.00	0.00	94	67	1732	32
Initial Production	3/22/19 1:00 AM	Reached target bph. BFPH = 172	2.08	0.00	100	72	1681	34
Initial Production	3/22/19 2:00 AM		2.20	0.00	104	68	1664	34
Initial Production	3/22/19 3:00 AM		2.22	0.00	100	59	1600	34
Initial Production	3/22/19 4:00 AM	BFPH = 165 through a 34/64th choke Water Weight = 10.0 ppg API = 42.92 @ 60 °F	2.23	0.00	102	63	1611	34
Initial Production	3/22/19 5:00 AM		2.27	0.00	95	60	1692	34
Initial Production	3/22/19 6:00 AM		1.79	0.00	104	56	1682	34
Initial Production	3/22/19 7:00 AM		1.81	0.00	103	57	1685	34
Initial Production	3/22/19 8:00 AM	Water Weight = 10.0 ppg API = 43.03 @ 60 °F	1.82	0.00	99	61	1676	34
Initial Production	3/22/19 9:00 AM		1.83	0.00	100	67	1613	34
Initial Production	3/22/19 10:00 AM		2.44	0.00	99	59	1672	34
Initial Production	3/22/19 11:00 AM		2.44	0.00	96	54	1669	34
Initial Production	3/22/19 12:00 PM	Water Weight = 10.0 ppg API = 42.46 @ 60 °F H2S = 0.0 PPM Increase Choke to 36/64" Target 170 bph	2.46	0.00	96	54	1662	34
Initial Production	3/22/19 1:00 PM		2.56	0.00	102	60	1664	36
Initial Production	3/22/19 2:00 PM		2.54	0.00	101	63	1625	36
Initial Production	3/22/19 3:00 PM		2.54	0.00	102	64	1620	36
Initial Production	3/22/19 4:00 PM	Water Weight = 10.0 ppg API = 42.32 @ 60 °F	2.54	0.00	101	70	1616	36
Initial Production	3/22/19 5:00 PM		2.54	0.00	100	62	1606	36
Initial Production	3/22/19 6:00 PM		2.56	0.00	103	53	1607	36
Initial Production	3/22/19 7:00 PM		2.56	0.00	102	56	1606	36
Initial Production	3/22/19 8:00 PM	BFPH = 165 Water Weight = 10.0 ppg API = 41.47 @ 60 °F Sand = .12%	2.57	0.00	98	55	1608	36
Initial Production	3/22/19 9:00 PM		2.55	0.00	106	58	1546	36
Initial Production	3/22/19 10:00 PM	BFPH = 155. Increase choke to 38/64th	2.55	0.00	97	58	1600	36
Initial Production	3/22/19 11:00 PM		2.47	0.00	114	64	1573	38
Initial Production	3/23/19 12:00 AM	BFPH = 175 Water Weight = 10.0 ppg API = 41.78 @ 60 °F Sand = .16% H2S = 0.0 ppm	2.75	0.00	117	54	1512	38
Initial Production	3/23/19 1:00 AM		2.75	0.00	101	54	1517	38
Initial Production	3/23/19 2:00 AM		2.76	0.00	107	76	1373	38
Initial Production	3/23/19 3:00 AM		2.75	0.00	108	33	1517	38
Initial Production	3/23/19 4:00 AM	BFPH = 168 Water Weight = 10.0 ppg API = 41.86 @ 60 °F Sand = .09%	2.79	0.00	112	57	1461	38
Initial Production	3/23/19 5:00 AM		2.77	0.00	111	56	1521	38
Initial Production	3/23/19 6:00 AM		2.77	0.00	116	55	1520	38
Initial Production	3/23/19 7:00 AM		2.80	0.00	112	67	1518	38
Initial Production	3/23/19 8:00 AM	Water Weight = 10.0 ppg API = 42.7 @ 60 °F	2.80	0.00	105	51	1531	38
Initial Production	3/23/19 9:00 AM		2.79	0.00	117	71	1515	38
Initial Production	3/23/19 10:00 AM		2.80	0.00	107	59	1513	38
Initial Production	3/23/19 11:00 AM		2.84	0.00	111	62	1518	38
Initial Production	3/23/19 12:00 PM	Water Weight = 10.0 ppg API = 42.3 @ 60 °F H2S = 0.0 PPM	2.82	0.00	112	66	1511	38
Initial Production	3/23/19 1:00 PM		2.85	0.00	110	60	1503	38
Initial Production	3/23/19 2:00 PM		2.80	0.00	113	62	1508	38
Initial Production	3/23/19 3:00 PM		2.83	0.00	107	64	1498	38
Initial Production	3/23/19 4:00 PM	Water Weight = 10.0 ppg API = 42.5 @ 60 °F	2.84	0.00	109	64	1491	38
Initial Production	3/23/19 5:00 PM		2.80	0.00	113	67	1480	38
Initial Production	3/23/19 6:00 PM		2.80	0.00	112	67	1485	38
Initial Production	3/23/19 7:00 PM		2.82	0.00	108	53	1467	38
Initial Production	3/23/19 8:00 PM	BFPH = 164 Water Weight = 10.0 ppg API = 41.88 @ 60 °F Sand = .09%	2.80	0.00	112	54	1464	38
Initial Production	3/23/19 9:00 PM		2.80	0.00	100	64	1467	38
Initial Production	3/23/19 10:00 PM		2.80	0.00	114	62	1471	38
Initial Production	3/23/19 11:00 PM		2.81	0.00	105	59	1473	38
Initial Production	3/24/19 12:00 AM	BFPH = 160 Water Weight = 10.0 ppg API = 41.38 @ 60 °F Sand = .07% H2S = 0.0 ppm	2.80	0.00	105	55	1431	38
Initial Production	3/24/19 1:00 AM		2.79	0.00	111	65	1406	38
Initial Production	3/24/19 2:00 AM		2.77	0.00	106	53	1467	38
Initial Production	3/24/19 3:00 AM		2.76	0.00	108	63	1460	38
Initial Production	3/24/19 4:00 AM	BFPH = 171 Water Weight = 10.0 ppg API = 41.79 @ 60 °F Sand = .09%	2.79	0.00	108	61	1462	38
Initial Production	3/24/19 5:00 AM		2.75	0.00	105	52	1451	38
Initial Production	3/24/19 6:00 AM		2.74	0.00	111	48	1452	38
Initial Production	3/24/19 7:00 AM		2.74	0.00	103	54	1450	38
Initial Production	3/24/19 8:00 AM	Water Weight = 10.0 ppg API = 43.4 @ 60 °F	2.73	0.00	105	57	1442	38
Initial Production	3/24/19 9:00 AM		2.73	0.00	111	55	1443	38
Initial Production	3/24/19 10:00 AM		2.73	0.00	101	56	1438	38
Initial Production	3/24/19 11:00 AM		2.75	0.00	105	57	1436	38
Initial Production	3/24/19 12:00 PM	Water Weight = 10.0 ppg API = 43.9 @ 60 °F H2S = 0.0 ppm	2.72	0.00	108	55	1430	38
Initial Production	3/24/19 1:00 PM		2.72	0.00	99	59	1428	38
Initial Production	3/24/19 2:00 PM		2.73	0.00	102	62	1421	38
Initial Production	3/24/19 3:00 PM		2.71	0.00	102	55	1428	38

Initial Production	3/24/19 4:00 PM	Water Weight = 10 ppg API = 43.52 @ 60 °F	2.73	0.00	106	62	1435	36
Initial Production	3/24/19 5:00 PM		2.72	0.00	105	50	1436	36
Initial Production	3/24/19 6:00 PM		2.70	0.00	95	54	1433	36
Initial Production	3/24/19 7:00 PM		2.70	0.00	109	66	1418	36
Initial Production	3/24/19 8:00 PM	BFPH = 158 Water Weight = 10.0 ppg API = 42.98 @ 60 °F Sand = .08%	2.70	0.00	102	54	1418	36
Initial Production	3/24/19 9:00 PM		2.71	0.00	101	53	1410	36
Initial Production	3/24/19 10:00 PM		2.68	0.00	106	49	1404	36
Initial Production	3/24/19 11:00 PM		2.68	0.00	101	53	1402	36
Initial Production	3/25/19 12:00 AM	BFPH = 160 Water Weight = 10.0 ppg API = 41.79 @ 60 °F Sand = .03% H2S = 0.0 ppm	2.69	0.00	96	64	1402	36
Initial Production	3/25/19 1:00 AM		2.68	0.00	103	45	1401	36
Initial Production	3/25/19 2:00 AM	BFPH = 166, Sand = .03% Decrease choke to 36/64th	2.69	0.00	88	66	1401	36
Initial Production	3/25/19 3:00 AM		2.35	0.00	93	54	1401	36
Initial Production	3/25/19 4:00 AM	BFPH = 154 Water Weight = 10.0 ppg API = 41.79 @ 60 °F Sand = .03%	2.50	0.00	95	64	1401	36
Initial Production	3/25/19 5:00 AM	BFPH = 134. Sand = .03% Increase choke to 38/64th	2.49	0.00	88	49	1401	36
Initial Production	3/25/19 6:00 AM		2.65	0.00	104	51	1387	36
Initial Production	3/25/19 7:00 AM		2.67	0.00	103	58	1380	36
Initial Production	3/25/19 8:00 AM	Water Weight = 10 ppg API = 43.83 @ 60 °F	2.66	0.00	54	59	1384	36
Initial Production	3/25/19 9:00 AM		2.67	0.00	98	59	1348	36
Initial Production	3/25/19 10:00 AM		2.67	0.00	88	63	1376	36
Initial Production	3/25/19 11:00 AM		2.75	0.00	85	40	1442	36
Initial Production	3/25/19 12:00 PM	Water Weight = 10 ppg API = 42.84 @ 60 °F H2S = 0.0 PPM	2.61	0.00	103	65	1371	36
Initial Production	3/25/19 1:00 PM		2.65	0.00	93	65	1371	36
Initial Production	3/25/19 2:00 PM		2.64	0.00	101	53	1372	36
Initial Production	3/25/19 3:00 PM		2.60	0.00	84	61	1362	36
Initial Production	3/25/19 4:00 PM	Water Weight = 10 ppg API = 43.12 @ 60 °F	2.64	0.00	98	60	1359	36
Initial Production	3/25/19 5:00 PM		2.65	0.00	98	54	1356	36
Initial Production	3/25/19 6:00 PM		2.64	0.00	96	61	1351	36
Initial Production	3/25/19 7:00 PM		2.63	0.00	94	57	1360	36
Initial Production	3/25/19 8:00 PM	BFPH = 137 Water Weight = 10.0 ppg API = 41.79 @ 60 °F Sand = .01%	2.66	0.00	106	62	1361	36
Initial Production	3/25/19 9:00 PM		2.64	0.00	93	54	1357	36
Initial Production	3/25/19 10:00 PM		2.63	0.00	101	49	1357	36
Initial Production	3/25/19 11:00 PM	BFPH = 144. Sand = .01% Increase choke to 40/64th	2.58	0.00	93	61	1357	36
Initial Production	3/26/19 12:00 AM	BFPH = 163 Water Weight = 10.0 ppg API = 42.01 @ 60 °F Sand = .01% H2S = 0.0 ppm	2.75	0.00	106	67	1327	40
Initial Production	3/26/19 1:00 AM		2.77	0.00	105	54	1301	40
Initial Production	3/26/19 2:00 AM		2.77	0.00	101	54	1306	40
Initial Production	3/26/19 3:00 AM		2.77	0.00	107	55	1296	40
Initial Production	3/26/19 4:00 AM	BFPH = 154 Water Weight = 10.0 ppg API = 42.19 @ 60 °F Sand = .01%	2.76	0.00	100	54	1285	40
Initial Production	3/26/19 5:00 AM		2.78	0.00	109	65	1287	40
Initial Production	3/26/19 6:00 AM		2.76	0.00	105	53	1288	40
Initial Production	3/26/19 7:00 AM		2.76	0.00	100	57	1287	40
Initial Production	3/26/19 8:00 AM	Water Weight = 10 ppg API = 43.09 @ 60 °F	2.77	0.00	110	55	1287	40
Initial Production	3/26/19 9:00 AM		2.76	0.00	101	61	1279	40
Initial Production	3/26/19 10:00 AM		2.76	0.00	106	51	1265	40
Initial Production	3/26/19 11:00 AM		2.76	0.00	108	55	1286	40
Initial Production	3/26/19 12:00 PM	Water Weight = 10 ppg API = 43.14 @ 60 °F H2s = 0.00 ppm	2.76	0.00	103	55	1286	40
Initial Production	3/26/19 1:00 PM		2.75	0.00	103	61	1276	40
Initial Production	3/26/19 2:00 PM		2.75	0.00	100	65	1270	40
Initial Production	3/26/19 3:00 PM		2.75	0.00	104	56	1264	40
Initial Production	3/26/19 4:00 PM	Water Weight = 10 ppg API = 43.12 @ 60 °F	2.75	0.00	105	60	1263	40
Initial Production	3/26/19 5:00 PM		2.75	0.00	102	54	1265	40
Initial Production	3/26/19 6:00 PM		2.75	0.00	99	63	[illegible]	40
Initial Production	3/26/19 7:00 PM		2.75	0.00	109	67	1251	40
Initial Production	3/26/19 8:00 PM	BFPH = 158 Water Weight = 10.0 ppg API = 41.79 @ 60 °F Sand = .01%	2.74	0.00	103	55	1255	40
Initial Production	3/26/19 9:00 PM		2.75	0.00	97	50	1252	40
Initial Production	3/26/19 10:00 PM		2.76	0.00	96	59	1252	40
Initial Production	3/26/19 11:00 PM		2.73	0.00	100	63	1253	40
Initial Production	3/27/19 12:00 AM	BFPH = 158 Water Weight = 10.0 ppg API = 42.39 @ 60 °F Sand = .01% H2S = 0.0 ppm	2.72	0.00	102	54	1252	40
Initial Production	3/27/19 1:00 AM		2.72	0.00	102	55	1251	40
Initial Production	3/27/19 2:00 AM		2.72	0.00	104	56	1246	40
Initial Production	3/27/19 3:00 AM		2.70	0.00	99	55	1249	40
Initial Production	3/27/19 4:00 AM	BFPH = 153 Water Weight = 10.0 ppg API = 42.49 @ 60 °F Sand = .00%	2.70	0.00	96	57	1231	40
Initial Production	3/27/19 5:00 AM		2.70	0.00	98	52	1230	40
Initial Production	3/27/19 6:00 AM		2.71	0.00	100	57	1229	40
Initial Production	3/27/19 7:00 AM		2.68	0.00	101	51	1226	40
Initial Production	3/27/19 8:00 AM	Water Weight = 10 ppg API = 42.86 @ 60 °F	2.66	0.00	100	55	1224	40
Initial Production	3/27/19 9:00 AM		2.68	0.00	98	54	1223	40
Initial Production	3/27/19 10:00 AM		2.70	0.00	97	55	1220	40
Initial Production	3/27/19 11:00 AM		2.67	0.00	102	56	1196	40
Initial Production	3/27/19 12:00 PM	Water Weight = 10 ppg API = 42.27 @ 60 °F H2S = 0.0 ppm	2.66	0.00	94	55	1216	40
Initial Production	3/27/19 1:00 PM		2.68	0.00	102	57	1216	40
Initial Production	3/27/19 2:00 PM		2.67	0.00	98	55	1218	40
Initial Production	3/27/19 3:00 PM		2.67	0.00	98	58	1213	40
Initial Production	3/27/19 4:00 PM	Water Weight = 10 ppg API = 42.38 @ 60 °F	2.68	0.00	97	53	1212	40
Initial Production	3/27/19 5:00 PM		2.77	0.00	98	59	1207	40
Initial Production	3/27/19 6:00 PM		2.67	0.00	95	50	1209	40
Initial Production	3/27/19 7:00 PM		2.66	0.00	100	59	1201	40
Initial Production	3/27/19 8:00 PM	BFPH = 161 Water Weight = 10.0 ppg API = 41.79 @ 60 °F Sand = .01%	2.66	0.00	94	52	1205	40
Initial Production	3/27/19 9:00 PM		2.66	0.00	100	51	1201	40
Initial Production	3/27/19 10:00 PM		2.65	0.00	94	54	1202	40
Initial Production	3/27/19 11:00 PM		2.70	0.00	96	49	1202	40
Initial Production	3/28/19 12:00 AM	BFPH = 159 Water Weight = 10.0 ppg API = 41.39 @ 60 °F Sand = .01% H2S = 0.0 ppm	2.66	0.00	101	56	1201	40
Initial Production	3/28/19 1:00 AM		2.65	0.00	93	51	1199	40
Initial Production	3/28/19 2:00 AM		2.64	0.00	95	54	1199	40
Initial Production	3/28/19 3:00 AM		2.64	0.00	94	54	1198	40
Initial Production	3/28/19 4:00 AM	BFPH = 162 Water Weight = 10.0 ppg API = 41.51 @ 60 °F Sand = .01%	2.63	0.00	101	51	1198	40
Initial Production	3/28/19 5:00 AM		2.65	0.00	91	51	1197	40
Initial Production	3/28/19 6:00 AM		2.65	0.00	96	58	1187	40
Initial Production	3/28/19 7:00 AM		2.65	0.00	93	56	1184	40
Initial Production	3/28/19 8:00 AM	Water Weight = 10 ppg API = 42.58 @ 60 °F	2.63	0.00	96	55	1188	40
Initial Production	3/28/19 9:00 AM		2.63	0.00	93	47	1186	40
Initial Production	3/28/19 10:00 AM		2.63	0.00	95	54	1184	40
Initial Production	3/28/19 11:00 AM		2.62	0.00	100	49	1184	40
Flowback operations complete	3/28/19 12:00 PM	Turn well over to production on a 38/64" choke @ 1175 psig	2.55	0.00	92	59	1175	40

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 6/1/2019

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	CA-FERGUSON SMITH-155-95-3031H-5 API: 3310504845
Coordinates:	LATITUDE / LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf / d	Amount: MMscf
6/3/19 10:30 AM	6/3/19 2:30 PM	0.20	0.0170

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf / d	Amount: MMscf
6/3/19 2:30 PM	6/7/19 7:00 AM	0.46	0.7320

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf / d	Amount: MMscf
6/3/19 2:30 PM	6/7/19 7:00 AM	1.06	3.8332

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf / d	Amount: MMscf
6/7/19 7:00 AM	6/7/19 8:00 AM	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Alex Feerabend	Title:	Site Supervisor		
Email:	Alexander.Feerabend@schrader	Phone:	701-389-1428	Mobile:	701-389-1428

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 6/1/2019

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	CA-FERGUSON SMITH-155-95-3031H-6 API 3310504846
Coordinates:	LATITUDE:/LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/7/19 1:00 PM	6/7/19 4:00 PM	0.11	0.0046

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/7/19 4:00 PM	6/11/19 7:00 AM	0.84	0.1742

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/7/19 4:00 PM	6/11/19 7:00 AM	1.54	3.3798

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/11/19 7:00 AM	6/11/19 8:00 AM	0.00	0.0000

Comments:

Responsible Party (1)

Name:	Alex Feserabend	**Title:**	Site Supervisor		
Email:	Alexander.Feserabend@techna	**Phone:**	701-389-1428	**Mobile:**	701-389-1428

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/19 to 8/2/19

Date: 6/1/2019

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	CA-FERGUSON SMITH-155-95-3031H-7 API: 3310504647
Coordinates:	LATITUDE / LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/11/19 11:00 AM	6/11/19 2:00 PM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/11/19 2:00 PM	6/14/19 8:30 AM	0.00	0.0000

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/11/19 2:00 PM	6/14/19 8:30 AM	1.20	3.3430

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Alex Feierabend	**Title:**	SiteSupervisor		
Email:	Alexander.Feierabend@techpfr	**Phone:**	701-389-1428	**Mobile:**	701-389-1428

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 6/1/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	CA-FERGUSON SMITH-155-95-3031H-8	API 3310504646	
Coordinates:	LATITUDE/LONGITUDE	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/14/19 11:00 AM	6/14/19 2:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/14/19 2:00 PM	6/17/19 8:30 AM	0.94	1.9502
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/14/19 2:00 PM	6/17/19 8:30 AM	1.25	3.3933
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)					
Name:	Alex Feierabend	**Title:**	Site Supervisor		
Email:	Alexander.Feierabend@echelpfs	**Phone:**	701-389-1428	**Mobile:**	701-389-1428

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 6/1/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	CA-FERGUSON SMITH-LE-155-95-3031H-1	API: 3310504849	
Coordinates:	LATITUDE/LONGITUDE	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/17/19 1:00 PM	6/18/19 2:00 PM	1.48	0.0615
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/18/19 2:00 PM	6/22/19 8:30 AM	1.17	2.4280
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/18/19 2:00 PM	6/22/19 8:30 AM	0.87	3.1954
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments:			

Responsible Party (?)					
Name:	Alex Feterabend	Title:	Site Supervisor		
Email:	Alexander.Feterabend@schnigh	Phone:	701-389-1428	Mobile:	701-389-1428

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 10/10/2018

General Information	
Company Name:	Hess Bakken LLC, II
Lease/Well:	CA-STANGELAND-155-95-2128H-4 API 3310504208
Coordinates:	LATITUDE/LONGITUDE (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/11/18 12:00 PM	10/11/18 1:00 PM	0.00	0.0000

Initial Production - Flare/Separator

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/11/18 1:00 PM	10/15/18 3:01 PM	0.00	0.0000

Initial Production - Flare Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/11/18 1:00 PM	10/15/18 3:01 PM	1.51	6.1791

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/14/18 8:00 AM	10/16/18 8:01 AM	1.41	2.7413

Comments: **Explanation of cause to flare**

Responsible Party (?)

Name:	David Abbott	**Title:**	Site Supervisor		
Email:	david.abbott@technipfmc.com	**Phone:**	307-679-4764	**Mobile:**	307-679-4764

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 10/10/2018

General Information	
Company Name:	Hess Bakken LLC, II
Lease/Well:	CA-STANGELAND-155-95-2128H-5 API 3301504207
Coordinates:	LATITUDE/LONGITUDE AT (b) (9) [redacted]

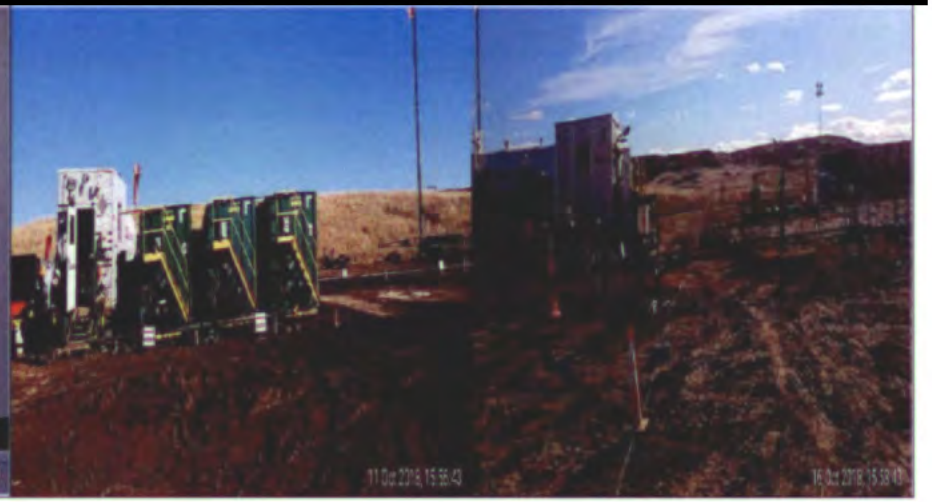
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/16/18 12:45 PM	10/16/18 1:00 PM	0.00	0.0000
Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/16/18 1:00 PM	10/19/18 9:00 AM	0.00	0.0000
Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/16/18 1:00 PM	10/19/18 9:00 AM	1.66	4.0586
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/19/18 9:00 AM	10/19/18 9:01 AM	0.00	0.0000

Comments: **Explanation of cause to flare**

Responsible Party (?)					
Name:	David Abbott	**Title:**	Site Supervisor		
Email:	david.abbott@rechelpfmc.com	**Phone:**	307-679-4764	**Mobile:**	307-679-4764

Digital Attachment of equipment layout

(b) (9) [redacted]



40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 10/10/2018

General Information			
Company Name:	Hess Bakken LLC. II		
Lease/Well:	CA-STANGELAND-155-95-2128H-6		API 3310504206
Coordinates:	LATITUDE/LONGITUDE [redacted]		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/19/18 12:45 PM	10/19/18 1:00 PM	0.00	0.0000
Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/19/18 1:00 PM	10/22/18 10:40 AM	0.47	0.5753
Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/19/18 1:00 PM	10/22/18 10:40 AM	1.37	3.8898
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/22/18 10:40 AM	10/22/18 10:41 AM	0.00	0.0000
Comments:	Flare as directed by lease operator while setting up separator. Flare as directed due to high pipeline pressure.		
Responsible Party (?)			
Name: David Abbott	**Title:** Site Supervisor		
Email: david.abbott@[illegible]	**Phone:** 307-679-4764	**Mobile:** 307-679-4764	

Digital Attachment of equipment layout

[redacted]

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 10/10/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	CA-STANGELAND-155-95-2128H-7	API: 3310504205	
Coordinates:	LATITUDE/LONGITUDE AT (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/22/18 2:00 PM	10/22/18 3:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/22/18 3:00 PM	10/25/18 9:00 AM	0.27	0.1298
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/22/18 3:00 PM	10/25/18 9:00 AM	0.94	2.4707
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/25/18 9:00 AM	10/25/18 11:01 AM	0.07	0.0010
Comments:	Flare as directed by Lease Operator due to high sitewide pressure		

Responsible Party (?)					
Name:	David Abbott	Title:	Site Supervisor		
Email:	david.abbott@technipfmc.com	Phone:	307-679-4764	Mobile:	307-679-4764

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 10/20/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	EN-DOBROVOLNY A-155-94-2413H-8	API 3306104240	
Coordinates:	LATITUDE/LONGITUDE	LAT (b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/21/18 10:30 AM	10/21/18 11:40 AM	0.00	0.0000

Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/21/18 11:40 AM	10/24/18 7:00 AM	0.78	1.5945

Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/21/18 11:40 AM	10/24/18 7:00 AM	1.02	2.5986

Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/24/18 7:00 AM	10/24/18 7:40 AM	0.00	0.0000

Comments:

Responsible Party (?)					
Name:	Joshua Turmon	**Title:**	Site Supervisor		
Email:	luke.jann@technipfmc.com	**Phone:**	701-509-4999	**Mobile:**	701-509-4999

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 10/24/2018

General Information			
Company Name:	Hess Bakken LLC. II		
Lease/Well:	EN-DOBROVOLNY A-155-94-2413H-9	API	
Coordinates:	LATITUDE/LONGITUDE	LA (b) (9) [redacted]	
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/24/18 11:30 AM	10/24/18 12:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/24/18 12:00 PM	10/27/18 7:00 AM	0.84	2.2971
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/24/18 12:00 PM	10/27/18 7:00 AM	0.55	1.4442
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/27/18 7:00 AM	10/27/18 7:45 AM	0.00	0.0000
Comments:			

Responsible Party (1)					
Name:	Luke Janis	**Title:**	Site Supervisor		
Email:	[illegible]	**Phone:**	701-389-9367	**Mobile:**	701-389-9367

Digital Attachment of equipment layout

(b) (9) [redacted]

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date 10/20/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	EN-DOBROVOLNY A-155-94-2413H-10	API: 3306104240	
Coordinates:	LATITUDE/LONGITUDE	LAT (b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/27/18 11:00 AM	10/27/18 11:50 AM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/27/18 11:50 AM	10/30/18 8:00 AM	0.91	2.5107
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/27/18 11:50 AM	10/30/18 8:00 AM	0.61	1.6949
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/30/18 8:00 AM	10/30/18 8:35 AM	0.00	0.0000

Comments:

Responsible Party (?)					
Name:	Joshua Turmon	**Title:**	Site Supervisor		
Email:	joshua.turmon@technipfmc.com	**Phone:**	701-389-9367	**Mobile:**	701-389-9367

Digital Attachment of equipment layout

(b) (9)

HESS **40 CFR 60 SUBPART OOOOa | ANNUAL REPORT**

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 6/28/2019

General Information			
Company Name	Hess Bakken LLC, II		
Lease/Well:	EN-FARHART-156-93-0409H-4	API 3306104360	
Coordinates:	LATITUDE/LONGITUDE:	(b) (9) [redacted]	
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/29/19 9:30 AM	6/29/19 11:00 AM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/29/19 11:00 AM	TBD	0.11	0.3109
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/29/19 11:00 AM	TBD	0.96	2.7290
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/29/19 2:00 PM	6/29/19 3:00 PM	0.00	0.0000
Comments:			
Responsible Party (?)			
Name: Anthony Vargas	Title: Site Supervisor		
Email: [illegible]	Phone: 701-822-1374	Mobile: 701-822-1374	

(b) (9) [redacted]

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 7/2/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	EN-FARHART-156-93-0409H-5	API: 3306104359	
Coordinates:	LATITUDE / LONGITUDE. LAT: (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/2/19 12:00 PM	7/2/19 2:00 PM	0.13	0.0052
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/2/19 3:00 PM	TBD	0.01	0.0367
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/2/19 3:00 PM	TBD	1.04	3.8432
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/2/19 2:00 PM	7/2/19 3:00 PM	0.00	0.0000
Comments:			

Responsible Party (?)					
Name:	Lonnie Bouvert	**Title:**	Site Supervisor		
Email:	lbouvert@newkota.com	**Phone:**	701-822-1374	**Mobile:**	701-822-1374

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 7/6/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	EN-FARHART-156-93-0409H-6	API 3308104358	
Coordinates:	LATITUDE / LONGITUDE: (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/6/19 3:00 PM	7/6/19 4:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/6/19 4:00 PM	TBD	0.35	3.0054
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/6/19 4:00 PM	TBD	0.84	2.3807
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments:			

Responsible Party (?)					
Name:	Lonnie Boisvert	**Title:**	Site Supervisor		
Email:	lboisvert@newkota.com	**Phone:**	701-822-1374	**Mobile:**	701-822-1374

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 7/9/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	EN-FARHART-156-93-0409H-7		API 33061043I7
Coordinates:	LATITUDE/LONGITUDE: LA (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/9/19 1:00 PM	7/9/19 2:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/9/19 2:00 PM	7/14/19 7:00 AM	1.24	5.7914
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/9/19 2:00 PM	7/14/19 7:00 AM	0.43	0.0992
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments:			

Responsible Party (?)					
Name:	Lonnie Boisvert	Title:	Site Supervisor		
Email:	lboisvert@newkota.com	Phone:	701-822-1374	Mobile:	701-822-1374

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 5/13/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	EN-JEFFREY-155-94-2215H-4	API: 33053103235	
Coordinates:	LATITUDE/LONGITUDE: (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/1/19 11:30 AM	6/1/19 3:00 PM	1.07	0.0446
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/1/19 3:00 PM	6/4/19 7:40 AM	1.90	5.0968
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/1/19 3:00 PM	6/4/19 7:40 AM	0.32	0.8417
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments:			

Responsible Party (?)					
Name:	Hunter Vasquez	**Title:**	Site Supervisor		
Email:	hunter.vasquez@technipfmc.com	**Phone:**	701-389-9516	**Mobile:**	701-389-9516

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 5/13/2019

General Information			
Company Name:	Hess Bakken LLC, II		API 3306103226
Lease/Well:	EN-JEFFREY-155-94-2215H-5		
Coordinates:	LATITUDE / LONGITUDE	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/29/19 12:00 PM	5/29/19 2:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/29/19 2:00 PM	6/1/19 6:00 AM	2.75	6.7327
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/29/19 2:00 PM	6/1/19 6:00 AM	0.00	0.0000
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/1/19 6:00 AM	6/1/19 7:00 AM	0.00	0.0000

Comments:

Responsible Party (?)					
Name:	Hunter Vasquez	**Title:**	Site Supervisor		
Email:	hunter.vasquez@technipfmc.com	**Phone:**	701-389-9516	**Mobile:**	701-389-9516

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 5/13/2019

General Infomation

Company Name:	Hess Bakken LLC II
Lease/Well:	EN-JEFFREY-155-94-2215H-7 API 3306103228
Coordinates:	LATITUDE/LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/23/19 1:00 PM	5/23/19 3:00 PM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/23/19 3:00 PM	5/26/19 6:00 AM	1.24	3.0237

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/23/19 3:00 PM	5/26/19 6:00 AM	1.35	3.9596

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/26/19 6:00 AM	5/26/19 7:00 AM	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Hunter Vasquez	Title:	Site Supervisor		
Email:	hunter.vasquez@technipfmc.com	Phone:	701-389-9516	Mobile:	701-389-9516

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 5/13/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	EN-JEFFREY-155-94-2215H-8		API 33061033239
Coordinates:	LATITUDE/LONGITUDE: (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/20/19 2:00 PM	5/20/19 4:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/20/19 4:00 PM	5/23/19 7:00 AM	1.52	3.9098
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/20/19 4:00 PM	5/23/19 7:00 AM	0.39	0.9921
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/23/19 7:00 AM	5/23/19 8:00 AM	0.00	0.0000
Comments:			

Responsible Party (?)					
Name:	Alex Fetsnabend	**Title:**	Site Supervisor		
Email:	Hunter.Vasquez@technipfmc.com	**Phone:**	701-389-9516	**Mobile:**	701-389-9516

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 5/13/2019

General Information	
Company Name:	Hess Bakken LLC, E
Lease/Well:	EN-JEFFREY-155-94-2215H-9 API: 3300103230
Coordinates:	LATITUDE/LONGITUDE (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/15/19 8:00 AM	5/15/19 10:00 AM	1.77	0.0735

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/15/19 10:00 AM	5/20/19 8:00 AM	1.69	8.2370

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/15/19 10:00 AM	5/20/19 8:00 AM	1.61	7.8625

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)

Name: Alex Feierabend Title: Site Supervisor

Email: Alexander.Feierabend@technipfmc.com Phones: 701-389-1428 Mobile: 701-389-1428

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 5/13/2019

General Information			
Company Name:	Hess Bakken LLC II		
Lease/Well:	EN-JEFFREY-155-94-2215H-6		API 3300104308
Coordinates:	LATITUDE/LONGITUDE: (b) (9)		

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/26/19 12:00 PM	5/26/19 2:00 PM	0.09	0.0038

Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/26/19 2:00 PM	5/29/19 6:00 AM	1.68	4.4597

Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/26/19 2:00 PM	5/29/19 6:00 AM	0.49	1.2800

Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/29/19 6:00 AM	5/29/19 7:00 AM	0.00	0.0000

Comments:

Responsible Party (?)					
Name:	Hunter Vasquez	Title:	Site Supervisor		
Email:	hunter.vasquez@technipfmc.com	Phone:	701-389-9516	Mobile:	701-389-9516

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 7/16/2019

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	EN-KULCZYK-154-94-2029H-2 API 3306104236
Coordinates:	LATITUDE/LONGITUDE (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/30/19 12:00 PM	7/30/19 1:00 PM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/30/19 1:00 PM	8/3/19 9:00 AM	3.46	13.0358

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/30/19 1:00 PM	8/3/19 9:00 AM	0.36	1.2973

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments: Flow as directed by lease Operator, due to high pipeline pressure

Responsible Party (?)

Name:	David Abbott	Title:	Site Supervisor		
Email:	Anthony.Thompson@technipfm	Phone:	701-500-1156	Mobile:	701-500-1156

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 7/16/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	EN-KULCZYK-154-94-2029H-11		API 3308104233
Coordinates:	LATITUDE/LONGITUDE: (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/17/19 10:50 AM	7/17/19 12:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/17/19 12:00 PM	7/21/19 6:00 AM	2.09	5.8043
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/17/19 12:00 PM	7/21/19 6:00 AM	1.73	4.5967
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/21/19 6:00 AM	7/21/19 7:01 AM	2.66	0.1033
Comments:	Flare as directed by lease operator due to low pipeline pressure.		
Responsible Party (?)			
Name:	David Abbott	Title:	Site Supervisor
Email:	david.abbott@technigfmc.com	Phone:	307-679-4764 Mobile: 307-679-4764

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 7/16/2019

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	EN-KULCZYK-154-94-2029H-12 API: 33001542?4
Coordinates:	LATITUDE/LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/21/19 11:30 AM	7/21/19 12:00 PM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/21/19 12:00 PM	7/26/19 7:00 AM	3.34	15.9580

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/21/19 12:00 PM	7/26/19 7:00 AM	0.75	3.5563

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/26/19 7:00 AM	7/30/19 7:01 AM	0.00	0.0000

Comments: Flow as directed by Lease Operator, due to high pipeline pressure

Responsible Party (?)

Name:	David Abbott	Title:	Site Supervisor		
Email:	david.abbott@technipfmc.com	Phone:	307-679-4764	Mobile:	307-679-4764

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 7/16/2019

General Information	
Company Name:	Hess Bakken LLC, II
Lease/Well:	EN-KULCZYK-154-94-2029H-13 API 33061042295
Coordinates:	LATITUDE/LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/26/19 12:00 PM	7/27/19 11:00 AM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/27/19 11:00 AM	7/30/19 7:00 AM	2.64	7.4162

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/27/19 11:00 AM	7/30/19 7:00 AM	0.61	1.6934

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
7/30/19 7:00 AM	7/30/19 7:01 AM	0.00	0.0000

Comments: Flow as directed by Lease Operator, due to high pipeline pressure

Responsible Party (?)

Name:	David Abbott	Title:	Site Supervisor		
Email:	david.abbott@technipfmc.com	Phone:	307-679-4764	Mobile:	307-679-4764

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 4/23/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	EN-SORENSON A-154-94-1102H-8		API 33061042
Coordinates:	LATITUDE / LONGITUDE: (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/26/19 12:00 PM	4/26/19 1:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/26/19 1:00 PM	5/2/19 8:30 AM	0.00	0.0000
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
4/26/19 1:00 PM	5/2/19 8:30 AM	3.01	9.6250
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/2/19 8:30 AM	5/2/19 8:31 AM	0.00	0.0000
Comments:	All gas to Production		
Responsible Party (?)			
Name:	David Abbott	Title:	Site Supervisor
Email:	david.abbott@technipfmc.com	Phone:	307-679-4764 Mobile: 307-679-4764

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa| ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 4/23/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	EN-SORENSON A-154-94-1102H-9		API 3306104250
Coordinates:	LATITUDE/LONGITUDE: (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/2/19 4:25 PM	5/2/19 7:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/3/19 10:00 AM	5/6/19 10:00 AM	0.81	0.1668
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/3/19 10:00 AM	5/6/19 10:00 AM	3.39	8.7486
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/6/19 10:00 AM	5/6/19 10:01 AM	0.00	0.0000
Comments:	Flare at well opening, then divert to Production.		
Responsible Party (?)			
Name:	David Abbott	Title: Site Supervisor	
Email:	david.abbott@technipfmc.com	Phone: 307-679-4764	Mobile: 307-679-4764

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 4/23/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	EN-SORENSON A-LW-154-94-1102H-1	API: 3306104251	
Coordinates:	LATITUDE/LONGITUDE (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/7/19 6:30 AM	5/7/19 7:00 AM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/7/19 7:00 AM	5/10/19 7:00 AM	1.58	3.8750
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/7/19 7:00 AM	5/10/19 7:00 AM	1.79	4.2958
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
5/10/19 7:00 AM	5/10/19 10:01 AM	0.78	0.0875
Comments:	Split flow gas to TFMC flare, and Production, as directed by Lease Operator due to high pipeline pressure.		
Responsible Party (?)			
Name:	David Abbott	**Title:** Site Supervisor	
Email:	david.abbott@technipfmc.com	**Phone:** 307-679-4764	**Mobile:** 307-679-4764

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/15/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	EN-SORENSON B-LE-155-94-3526H-1	API 3306104207	
Coordinates:	LATITUDE/LONGITUDE LAT (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/22/18 10:15 AM	8/22/18 10:30 AM	0.00	0.0000
Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/22/18 10:30 AM	8/25/18 8:30 AM	0.48	0.8446
Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/22/18 10:30 AM	8/25/18 8:30 AM	1.62	4.3451
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments:	Flare as directed by Lease Operator. High pipeline pressure.8-18-18 7:00-10:00 PM: Pipeline compressor down.		
Responsible Party (?)			
Name:	Joshua Tarmon	Title:	Site Supervisor
Email:	joshua.tarmon@technipfmc.com	Phone:	701-389-9367
Mobile:	701-389-9367		

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(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

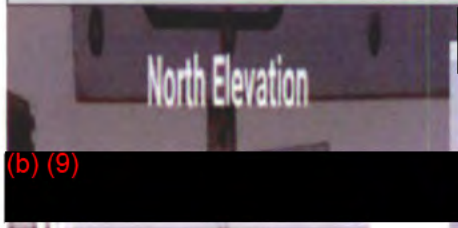
REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 11/30/2018

General Infomation			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	EN-THOMPSON TRUST-154-94-1930H-7	API: 33061038[illegible]	
Coordinates:	LATITUDE /LONGITUDE: (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/1/18 1:30 PM	12/1/18 3:00 PM	3.52	0.1468
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/1/18 3:00 PM	12/6/18 6:00 AM	1.62	5.6239
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/1/18 3:00 PM	12/6/18 6:00 AM	2.26	0.6091
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/6/18 6:00 AM	12/6/18 10:00 AM	2.21	0.2808
Comments:			

Responsible Party (?)					
Name:	Joshua Turmon	**Title**	Site Supervisor		
Email:	tallon.mcginley@technicfmc.com	**Phone:**	307-696-0103	**Mobile:**	307-696-0103

Digital Attachment of equipment layout



(b) (9)

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 11/30/2018

General Infomation			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	EN-THOMPSON TRUST-154-94-1930H-8	API 3306102879	
Coordinates:	LATITUDE/LONGITUDE: (b) (9)		

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/8/18 10:25 AM	12/8/18 10:55 AM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/8/18 10:55 AM	12/11/18 3:07 PM	3.37	10.8125
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/8/18 10:55 AM	12/11/18 3:07 PM	0.89	2.7875
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/11/18 3:07 PM	12/12/18 6:25 AM	1.10	0.7792

Comments:

Responsible Party (3)					
Name:	Joshua Turmon	**Title:**	Site Supervisor		
Email:	joshua.turmon@technipfmc.com	**Phone:**	701-389-9367	**Mobile:**	701-389-9367

Digital Attachment of equipment layout

(b) (9)

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 11/30/2018

General Information

Company Name: Hess Bakken LLC, II

Lease/Well: EN-THOMPSON TRUST-154-94-1930H-9 API 3306103980

Coordinates: LATITUDE/LONGITUDE (b) (9) [redacted]

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/12/18 12:25 PM	12/12/18 12:45 PM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/12/18 12:45 PM	12/16/18 8:00 AM	1.27	4.7167

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/12/18 12:45 PM	12/16/18 8:00 AM	1.56	5.6000

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (7)

Name: Joshua Turnson **Title:** Site Supervisor

Email: joshua.turnson@technipfmc.com **Phone:** 701-389-9367 **Mobile:** 701-389-9367

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(b) (9) [redacted]

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 11/30/2018

General Information			
Company Name	Hess Bakken LLC, II		
Lease/Well:	EN-THOMPSON TRUST-154-94-1930H-10	API [illegible]	
Coordinates	LATITUDE / LONGITUDE	[redacted]	
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/16/18 12:14 PM	12/18/18 12:00 AM	#DIV/0!	1.5333
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/16/18 12:35 PM	12/21/18 8:00 AM	2.42	9.6687
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/16/18 12:35 PM	12/21/18 8:00 AM	2.07	8.3714
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments:			
Responsible Party (?)			
Name Joshua Tonnon	**Title** Site Supervisor		
Email: [illegible]	**Phone:** 701-389-1428	**Mobile:** 701-389-1428	

Digital Attachment of equipment layout

[redacted]

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 11/30/2018

General Information	
Company Name:	Hess Bakken LLC II
Lease/Well:	EN-THOMPSON TRUST-154-94-1930H-11 API: 33061070800
Coordinates:	LATITUDE/LONGITUDE (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/21/18 12:00 PM	12/22/18 9:00 PM	#DIV/0!	4.9641

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/21/18 1:00 PM	12/26/18 12:00 AM	3.12	7.4806

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/21/18 1:00 PM	12/26/18 12:00 AM	1.38	3.2698

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/24/18 12:00 AM	12/24/18 8:00 AM	0.90	0.2610

Comments:

Responsible Party (1)

Name:	Alex Feierabend	Title:	Site Supervisor		
Email:	alexander.feierabend@rachelgilc	Phone:	701-389-1428	Mobile:	701-389-1428

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 12/23/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	EN-WEYRAUCH C-154-93-2932H-11		API: 3306103471
Coordinates:	LATITUDE/LONGITUDE: LAT (b) (9)		

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/25/18 8:00 AM	12/25/18 11:00 AM	0.03	0.0021

Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/25/18 11:00 AM	TBD	0.30	0.1710

Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/25/18 11:00 AM	TBD	1.81	5.2404

Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (1)					
Name:	Anthony Vargas	**Title:**	Site Supervisor		
Email:	avargas@newsota.com	**Phone:**	701-500-4892	**Mobile:**	701-500-4892

(b) (9)

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 12/23/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	EN-WEYRAUCH C-154-93-2932H-12		API 3306103472
Coordinates:	LATITUDE/LONGITUDE: LAT (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/28/18 1:00 PM	12/28/18 5:00 PM	0.30	0.0250
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/28/18 5:00 PM	12/31/18 8:00 AM	0.25	0.1250
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/28/18 5:00 PM	12/31/18 8:00 AM	1.60	4.1667
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/31/18 8:00 AM	TBD	1.48	0.0625
Comments:			
Responsible Party (1)			
Name:	Anthony Vargas	**Title:**	Site Supervisor
Email:	avargas@newsota.com	**Phone:**	701-500-4892 **Mobile:** 701-500-4892

Digital Attachment of equipment layout

(b) (9)

HESS	40 CFR 60 SUBPART OOOOa | ANNUAL REPORT		
	REPORTING PERIOD:	8/2/18 to 8/2/19	
		Date:	2/6/2019

General Information			
Company Name:	Hess Bakken LLC. II		
Lease/Well:	GO-BERGSTROM-156-98-2833H-2		API 3310504720
Coordinates:	LATITUDE / LONGITUDE AT (b) (9) [redacted]		
Initial Flowback			
Start Date & Time	End Date & Time	Rate MMscf/d	Amount MMscf
2/8/19 1:00 PM	2/10/19 5:00 PM	0.56	0.5000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate MMscf/d	Amount MMscf
2/8/19 4:00 PM	2/13/19 9:00 AM	0.50	2.2040
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate MMscf/d	Amount MMscf
2/8/19 4:00 PM	2/13/19 9:00 AM	0.94	4.0801
Production through Facilities			
Start Date & Time	End Date & Time	Rate MMscf/d	Amount MMscf
2/13/19 9:00 AM	TBD	0.00	0.0000
Comments:			

Responsible Party (?)					
Name:	Anthony Vargas	Title:	Site Supervisor		
Email:	avargas@[illegible]	Phone:	701-500-4892	Mobile:	701-500-4892

Digital Attachment of equipment layout

(b) (9) [redacted]

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 2/6/2019

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	GO-BERGSTROM-156-98-2833H-3 API 3310504719
Coordinates:	LATITUDE/LONGITUDE \ (b) (9) [redacted]

Initial Flowback

Start Date & Time	End Date & Time	Rate: Mmscf/d	Amount: MMscf
2/13/19 1:30 PM	2/13/19 3:00 PM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: Mmscf/d	Amount: MMscf
2/13/19 3:00 PM	2/17/19 8:00 AM	0.76	2.8179

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: Mmscf/d	Amount: MMscf
2/13/19 3:00 PM	2/17/19 8:00 AM	0.44	1.5995

Production through Facilities

Start Date & Time	End Date & Time	Rate: Mmscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (I)

Name:	Anthony Vargas	Title:	Site Supervisor		
Email:	avargas@newsea.com	Phone:	701-500-6892	Mobile:	701-500-6892

Digital Attachment of equipment layout

(b) (9) [redacted]

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 2/6/2019

General Information			
Company Name:	Hess Bakken LLC II		
Lease/Well:	GO-BERGSTROM-156-98-2833H-4	API 3310504718	
Coordinates:	LATITUDE/LONGITUDE AT (b) (9) [redacted]		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
2/17/19 2:00 PM	2/17/19 4:00 PM	0.53	0.0221
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
2/17/19 4:00 PM	2/20/19 8:00 AM	0.66	1.7328
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
2/17/19 4:00 PM	2/20/19 8:00 AM	0.40	1.0490
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
2/20/19 8:00 AM	TBD	0.00	0.0000
Comments:			

Responsible Party (?)					
Name:	Anthony Vargas	**Title:**	Site Supervisor		
Email:	avargas@newkota.com	**Phone:**	701-500-4892	**Mobile:**	701-500-4892

Digital Attachment of equipment layout

(b) (9) [redacted]

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 12/31/19

Date: 2/6/2019

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	GO-BERGSTROM-156-98-2833H-5 API 3310504717
Coordinates:	LATITUDE / LONGITUDE AT (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
2/20/19 12:00 PM	2/20/19 2:00 PM	0.14	0.0057

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
2/20/19 2:00 PM	2/23/19 9:00 AM	0.75	2.0946

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
2/20/19 2:00 PM	2/23/19 9:00 AM	1.50	4.1665

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
2/23/19 9:00 AM	TBD	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Anthony Vargas	**Title**	Site Supervisor		
Email:	avargas@rimrockta.com	**Phone:**	701.500.4892	**Mobile:**	701.500.4892

Digital Attachment of equipment layout

(b) (9)

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 5/28/2019

General Information	
Company Name:	Hess Bakken LLC, II
Lease/Well:	RS-FLICKERTAIL-156-91-1720H-3
Coordinates:	LATITUDE/LONGITUDE (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/4/19 3:00 PM	6/9/19 10:30 PM	0.51	0.2227

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	TBD	0.01	0.1500

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	TBD	0.46	0.0869

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/25/19 12:00 PM	6/25/19 1:00 PM	0.00	0.0000

Comments:

Responsible Party (1)

Name:	Lonnie Boisvert	Title:	Site Supervisor		
Email:	tschewski@newiatra.com	Phone:	701-822-1396	Mobile:	701-822-1396

Digital Attachment of equipment layout

(b) (9)

40 CFR 60 SUBPART OOOOa] ANNUAL REPORT

REPORTING PERIOD: 6/2/18 to 6/2/19

Date: 5/28/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	RS-FLICKERTAIL-156-91-1720H-3		API # 3300104335
Coordinates:	LATITUDE/LONGITUDE:	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/4/19 3:00 PM	6/9/19 10:30 PM	0.51	0.2227

Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	TBD	0.01	0.3560

Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	TBD	0.46	9.9899

Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/25/19 12:00 PM	6/25/19 1:00 PM	0.00	0.0000

Comments:

Responsible Party (1)					
Name:	Lonnie Boisvert	Title:	Site Supervisor		
Email:	tachewale@newtots.com	Phone:	701.822.1396	Mobile:	701.822.1396

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 5/28/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	RS-FLICKERTAIL-156-91-1720H-3	API # 3306104336	
Coordinates:	LATITUDE/LONGITUDE: (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/4/19 3:00 PM	6/9/19 10:30 PM	0.51	0.2227
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	TBD	0.01	0.3590
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	TBD	0.46	0.8889
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/25/19 12:00 PM	6/25/19 1:00 PM	0.00	0.0000
Comments:			

Responsible Party (?)					
Name:	Lonnie Boisvert	**Title:**	Site Supervisor		
Email:	tschewalie@newkota.com	**Phone:**	701-822-1306	**Mobile:**	701-822-1306

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 6/12/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	RS-FLICKERTAIL-156-91-1720H-4		API # 3306104337
Coordinates:	LATITUDE/LONGITUDE:	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/13/19 9:00 AM	6/13/19 12:00 PM	0.09	0.036
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/13/19 12:00 PM	6/19/19 6:00 AM	0.02	0.1129
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/13/19 12:00 PM	6/19/19 6:00 AM	0.75	3.8615
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
6/19/19 6:00 AM	6/19/19 7:00 AM	0.00	0.0000

Comments:

Responsible Party (?)					
Name:	Lorrie Boisvert	Title:	Site Supervisor		
Email:	[redacted]	Phone:	701-509-6802	Mobile:	701-509-6802

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 9/17/2018

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	BS-HOWELL-LW-156-95-1107H1 API # 33061041 SD
Coordinates:	LATITUDE/LONGITUDE (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/30/18 5:00 PM	9/30/18 6:00 PM	0.00	0.0000

Initial Production - Flare/Separator

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/30/18 6:00 PM	10/5/18 9:01 AM	0.38	0.0318

Initial Production - Flare Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/30/18 6:00 PM	10/5/18 9:01 AM	0.55	2.4029

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

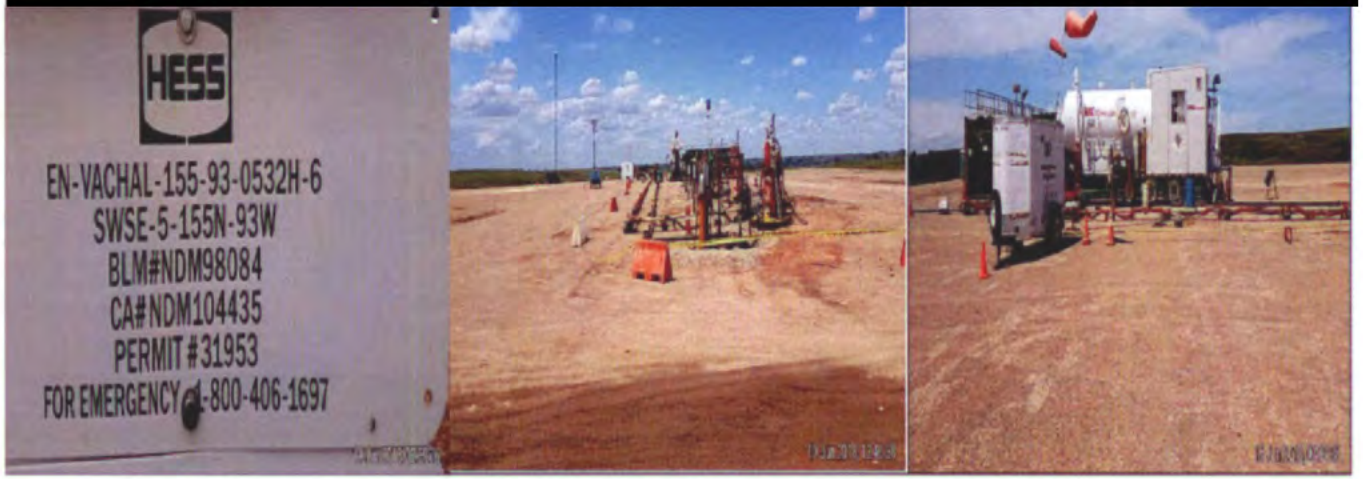
Comments: Flare as directed by Lease Operator. High pipeline pressure 6-18-18 7:00-10:00 PM: Pipeline compressor down.

Responsible Party (?)

Name:	Alex Feierabend	**Title:**	Site Supervisor		
Email:	Alexander.Feierabend@hess.com	**Phone:**	701-389-1428	**Mobile:**	701-389-1428

Digital Attachment of equipment layout

(b) (9)



HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 9/17/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	RS-HOWELL-LW-156-91-1107H2	API #: 33061041 40	
Coordinates:	LATITUDE / LONGITUDE (b) (9)		
Initial Flowback			
Start: Date & Time	End: Date & Time	Rate: MMscf/d	Amount: MMscf
9/19/18 2:00 PM	9/19/18 4:00 PM	0.00	0.0000
Initial Production - Flare/Separator			
Start: Date & Time	End: Date & Time	Rate: MMscf/d	Amount: MMscf
9/19/18 4:00 PM	9/22/18 10:25 AM	0.00	0.0000
Initial Production - Flare Facilities			
Start: Date & Time	End: Date & Time	Rate: MMscf/d	Amount: MMscf
9/19/18 4:00 PM	9/22/18 10:25 AM	0.44	1.2216
Production through Facilities			
Start: Date & Time	End: Date & Time	Rate: MMscf/d	Amount: MMscf
9/22/18 10:25 AM	9/22/18 10:26 AM	0.00	0.0000
Comments:			
Responsible Party (?)			
Name:	David Abbott	**Title:**	Site Supervisor
Email:	david.abbott@archrisinc.com	**Phone:**	701-679-4764 **Mobile:** 701-679-4764

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 9/17/2018

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	RS-HOWELL-LW-156-91-1107H3 API # 33061041 48
Coordinates:	LATITUDE/LONGITUDE: LAT (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/23/18 11:00 AM	9/23/18 2:00 PM	0.00	0.0000

Initial Production - Flare/Separator

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/23/18 2:00 PM	9/26/18 9:00 AM	0.00	0.0000

Initial Production - Flare Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/23/18 2:00 PM	9/26/18 9:00 AM	0.33	0.9060

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/26/18 9:00 AM	9/26/18 9:01 AM	0.00	0.0000

Comments: **Explanation of cause to flare**

Responsible Party (?)

Name:	David Abbott	Title:	Site Supervisor		
Email:	david.abbott@hessbakken.com	Phone:	307-679-4764	Mobile:	307-679-4764

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 9/17/2018

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	RS-HOWELL-LW-156-91-1107H4 API #: 3306104147
Coordinates:	LATITUDE/LONGITUDE LAT (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/26/18 11:30 AM	9/26/18 2:00 PM	0.00	0.0000

Initial Production - Flare/Separator

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/26/18 2:00 PM	9/30/18 8:15 AM	0.00	0.0000

Initial Production - Flare Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/26/18 2:00 PM	9/30/18 8:15 AM	0.48	1.7329

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments: **Explanation of cause to flare**

Responsible Party (?)

Name:	Alex Feierabend	**Title:**	Site Supervisor		
Email:	Alexander.feierabend@technipfr	**Phone:**	701-389-1428	**Mobile:**	701-389-1428

Digital Attachment of equipment layout

(b) (9)

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Place picture here

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/31/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Wells	RS-STATE D-155-92-0203H-2		API #: 33061042?8
Coordinates:	LATITUDE / LONGITUDE:	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/31/19 10:00 AM	8/31/19 3:00 PM	0.00	0.0000

Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/31/19 5:00 PM	9/4/19 7:00 AM	0.00	0.0000

Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/31/19 5:00 PM	9/4/19 7:00 AM	0.51	1.7720

Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)					
Name:	Lonnie Boisvert	Title:	Site Supervisor		
Email:	lboisvert@newpra.com	Phone:	701-822-1374	Mobile:	701-822-1374

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 9/4/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	RS-STATE D-155-92-0203H-3		API # 33061042?7
Coordinates:	LATITUDE/LONGITUDE:	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/4/19 10:00 AM	9/4/19 11:00 AM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/4/19 11:00 AM	9/8/19 8:00 AM	0.00	0.0000
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/4/19 11:00 AM	9/8/19 8:00 AM	0.54	2.0760
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments:			

Responsible Party (?)					
Name:	Lonnie Boisvert	Title:	Site Supervisor		
Email:	lboisvert@newhorizons.com	Phone:	701.822.1374	Mobile:	701.822.1374

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 9/14/2019

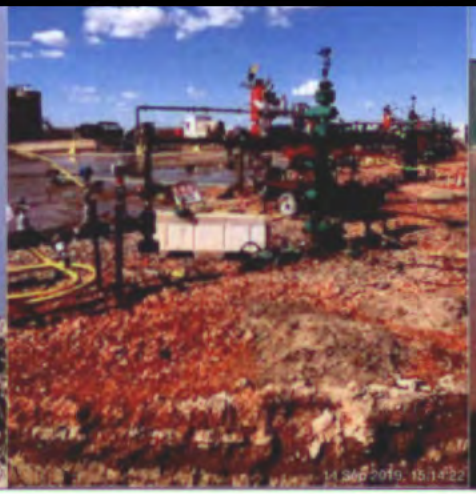
General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	RS-STATE D-155-92-0203H-5		API # 33053104275
Coordinates:	LATITUDE/LONGITUDE:	(b) (9)	

Initial Flowback			
Start Date & Time:	End Date & Time:	Rate: MMscf/d	Amount: MMscf
9/13/19 8:00 AM	9/15/19 9:00 AM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time:	End Date & Time:	Rate: MMscf/d	Amount: MMscf
9/13/19 9:00 AM	9/19/19 2:00 PM	0.00	0.0000
Initial Production - Flare (Facilities)			
Start Date & Time:	End Date & Time:	Rate: MMscf/d	Amount: MMscf
9/13/19 9:00 AM	9/19/19 2:00 PM	0.47	1.9400
Production through Facilities			
Start Date & Time:	End Date & Time:	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments:			

Responsible Party (?)					
Name:	Lonnie Boisvert	Title:	Site Supervisor		
Email:	lboisvert@hessbkn.com	Phone:	701-822-1374	Mobile:	701-822-1374

Digital Attachment of equipment layout

(b) (9)



HESS

40 CFR 60 SUBPART OOOO | ANNUAL REPORT

REPORTING PERIOD: 1/1/19 to 12/31/19

Date: 8/26/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	RS-STATE D-LN-155-92-0203H-1		API #: 3306104279
Coordinates:	LATITUDE / LONGITUDE:	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf / d	Amount: MMscf
8/27/19 10:30 AM	8/27/19 11:00 AM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf / d	Amount: MMscf
8/27/19 11:00 AM	8/31/19 8:00 AM	0.00	0.0000
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf / d	Amount: MMscf
8/27/19 11:00 AM	8/31/19 8:00 AM	0.64	2.4756
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf / d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)					
Name:	Lonnie Boisvert	**Title:**	Site Supervisor		
Email:	lboisvert@newtozx.com	**Phone:**	701-822-1374	**Mobile:**	701-822-1374

(b) (9)

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 1/8/2019

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-1WX-152-99-0809H-4
Coordinates:	LATITUDE/LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/20/19 4:00 PM	1/24/19 8:00 AM	#DIV/0!	5.4798

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/20/19 5:00 PM	TBD	1.82	8.0235

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/20/19 5:00 PM	TBD	1.03	4.6823

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

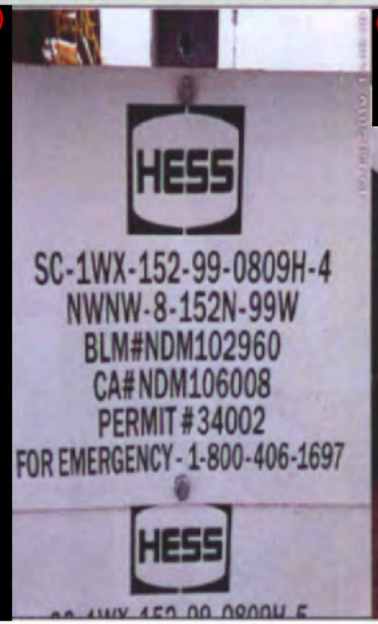
Comments:

Responsible Party (?)

Name:	Jason Brown	Title:	Site Supervisor		
Email:	jbrown@newsta.com	Phone:	701-210-2235	Mobile:	701-210-2235

Digital Attachment of equipment layout

(b) (9)



(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/19 to 8/2/19

Date: 1/8/2019

General Information			
Company Name:	Hess Bakken LLC, B		
Lease/Well:	SC-1WX-152-99-0809H-2		API #: 33053081[illegible]
Coordinates:	LATITUDE/LONGITUDE:	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: Mscf
1/9/19 9:30 AM	1/9/19 12:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: Mscf
1/9/19 12:00 PM	1/16/19 10:00 AM	0.20	0.4914
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: Mscf
1/9/19 12:00 PM	1/16/19 10:00 AM	2.37	16.1517
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: Mscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)					
Name:	Anthony Vargas	Title:	Site Supervisor		
Email:	avargas@newsta.com	Phone:	701.500.4892	Mobile:	701.500.4892

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 1/8/2020

General Infomation			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	SC-1WX-152-99-0809H-3	API # 33053081 67	
Coordinates:	LATITUDE / LONGITUDE (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: Mbbscf/d	Amount: MMscf
1/16/19 3:00 PM	1/16/19 4:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: Mbbscf/d	Amount: MMscf
1/16/19 4:00 PM	1/20/19 1:00 PM	0.54	1.3e31
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: Mbbscf/d	Amount: MMscf
1/16/19 4:00 PM	1/20/19 1:00 PM	2.95	11.2038
Production through Facilities			
Start Date & Time	End Date & Time	Rate: Mbbscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments:			
Responsible Party (?)			
Name:	Anthony Vargas	**Title:**	Site Supervisor
Email:	[redacted]	**Phone:**	701-210-2235 **Mobile:** 701-210-2235

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 1/8/2019

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-1WX-152-99-0809H-5 API #: 33053081
Coordinates:	LATITUDE/LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/25/19 2:00 PM	1/28/19 4:00 PM	#DIV/0!	2.0133

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/25/19 3:00 PM	TBD	0.75	2.3500

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/25/19 3:00 PM	TBD	2.07	6.6892

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Jason Brown	Title:	Site Supervisor		
Email:		Phone:	701-822-0132	Mobile:	701-822-0132

Digital Attachment of equipment layout

(b) (9)

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 11/2/2018

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-SWX-152-99-0310H-2 API # 33053081 19
Coordinates:	LATITUDE/LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
11/17/18 12:00 PM	11/17/18 2:00 PM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
11/17/18 2:00 PM	11/20/18 2:00 PM	3.30	8.5901

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
11/17/18 2:00 PM	11/20/18 2:00 PM	0.40	1.1033

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
11/20/18 2:00 PM	11/21/18 10:45 AM	1.42	1.2819

Comments: Flare as directed by Lease Operator due to hih pipeline pressure and high gas temperature.

Responsible Party (?)

Name:	Reid Collie	Title:	Site Supervisor		
Email:	jonathan.collie@techwildinc.com	Phone:	701-509-2742	Mobile:	701-509-2742

Digital Attachment of equipment layout

(b) (9)

Version: [illegible]

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY

Company Name	Hess Corporation
Well Name	[illegible]
API Number	
[illegible]	2
[illegible]	ND
Formation	MB
[illegible]	[illegible]
[illegible]	11/2/2018
Initial Flowback Date	11/11/18 3:00 PM
Flowback Company	TechnipFMC
[illegible]	Joshua [illegible]
Phone Contact	[illegible]
[illegible] (Psi)	3,350 PSI

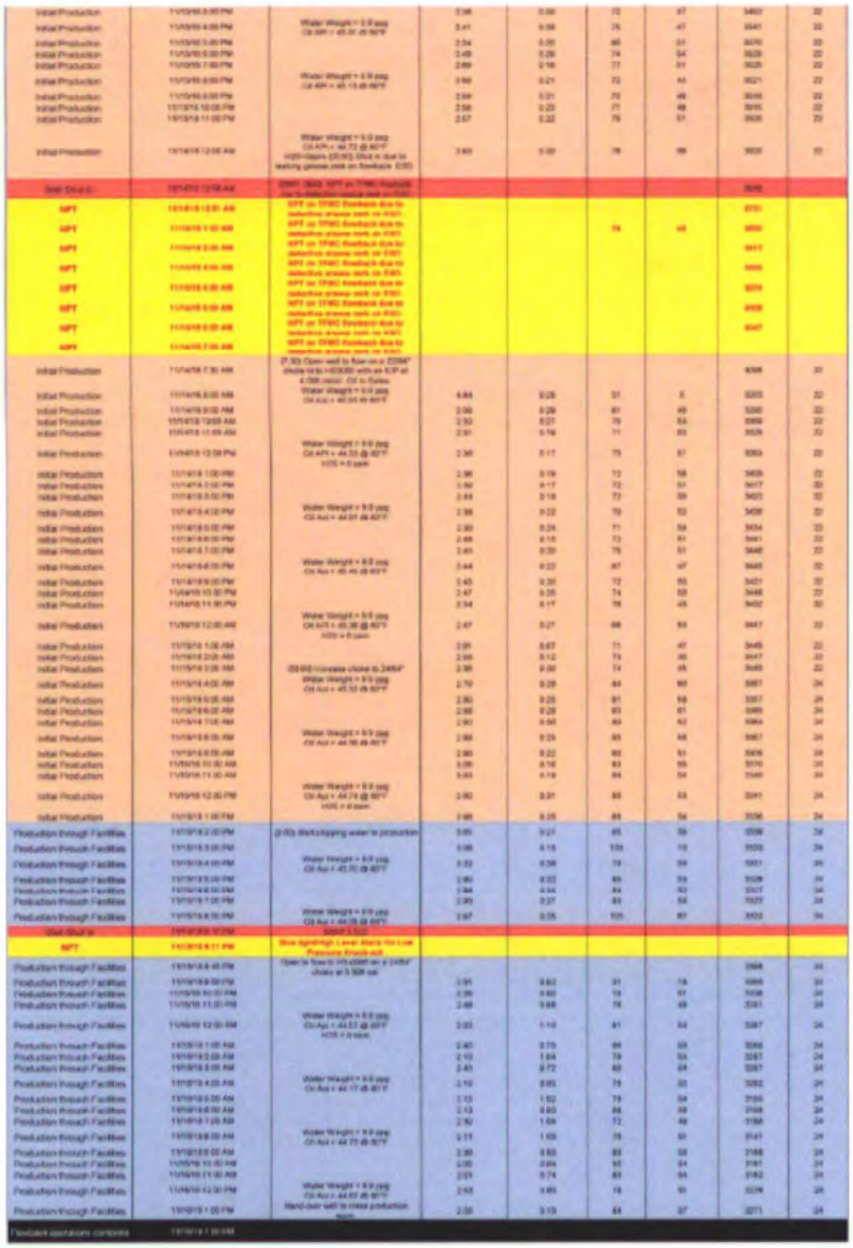
FRAC JOB SUMMARY

[illegible]	Hydraulic Frac	
TOTAL [illegible] Fluid Pumped	208,350	BBLS
TOTAL Sand Pumped	11,155,120	LBS
Proposed # Stages	45	Stages
[illegible] # Stages	45	Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
Flowback Crew / Hess FB Supervisor
Flowback
Automatic

Event Phase	Date MM/DD/YY Time	Remarks	[illegible]	[illegible]	[illegible]	[illegible]	Tubing Press (psig)	Choke Size (x/64)
	[illegible]	Restart start time	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Standard Work	11/11/18 11:00 AM	[illegible]						
Standard Work	11/11/18 12:00 PM							
Standard Work	11/11/18 1:00 PM							
Standard Work	11/11/18 2:00 PM	(2:00) Function test ESD. Good test. (2:15) Pressure test flow line to 4,500 psi. Good test. Pressure test Production line to 400 psi. Good test.						
Initial Flowback	11/11/18 3:00 PM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24
Initial Production	11/11/18 4:00 PM	[illegible] Water Weight = 10.[illegible] ppg Oil API = [illegible]	1.28	0.41	14	27	[illegible]	28
Initial Production	11/11/18 5:00 PM		1.38	[illegible]	25	119	[illegible]	32
Initial Production	11/11/18 6:00 PM	(18:00) Increase choke to 36/64"	1.20	2.03	138	138	2790	32
Initial Production	11/11/18 7:00 PM		2.32	2.03	128	123	2633	38
Initial Production	11/11/18 8:00 PM	Water Weight = 10.0 ppg Oil API = [illegible] Decreased choke to a 32/64 Choke	2.54	2.43	142	104	2524	38
Initial Production	11/11/18 9:00 PM		2.84	3.48	118	101	2760	33
Initial Production	11/11/18 10:00 PM	(19:50) Well pressure started dropping off	2.30	2.22	118	98	2754	33
Initial Flowback	11/11/18 10:[illegible] PM	[illegible] (21:30) Increase choke to a [illegible] Choke						[illegible]
Initial Flowback	11/11/18 11:00 PM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Well Shut In	11/11/18 11:30 PM	[illegible] Due to possible tubing obstruction or sand bridge	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SPT	11/11/18 11:31 PM	Due to possible tubing obstruction or sand bridge					[illegible]	
SPT	11/12/18 12:00 AM						[illegible]	
SPT	11/12/18 1:00 AM						[illegible]	
SPT	11/12/18 2:00 AM						[illegible]	
SPT	11/12/18 3:00 AM						[illegible]	
SPT	11/12/18 4:00 AM						[illegible]	
SPT	11/12/18 5:00 AM	(5:00) Open well to flow to open top					[illegible]	
SPT	11/12/18 6:00 AM						[illegible]	
SPT	11/12/18 7:00 AM						[illegible]	
SPT	11/12/18 8:00 AM						[illegible]	
SPT	11/12/18 9:00 AM						[illegible]	
SPT	11/12/18 10:00 AM	(10:30) Hot Oiler Arrives on location, begins to heat up water (10:45) Shut in well to [illegible]					[illegible]	
SPT	11/12/18 11:00 AM	(11:00) Hot oiler starts pumping					[illegible]	
Initial Flowback	11/12/18 11:40 AM	[illegible]					[illegible]	[illegible]
Initial Flowback	11/12/18 12:00 PM	[illegible]					[illegible]	[illegible]
Initial Flowback	11/12/18 1:00 PM		2.75		[illegible]	[illegible]	[illegible]	32
Initial Production	11/12/18 1:20 PM	[illegible] Oil to Production						32
Initial Production	11/12/18 2:00 PM	(2:00) Increased choke to 30/64"	2.75	0.00	42	84	2756	32
Initial Production	11/12/18 3:00 PM		2.65	0.07	80	91	2669	30
Initial Production	11/12/18 4:00 PM	Water Weight = [illegible] ppg Oil API = 43.87 @ 60°F	2.83	0.00	106	88	2681	30
Initial Production	11/12/18 5:00 PM	(17:00) Increased choke to 28/64"	2.80	0.03	27	64	2862	30
Initial Production	11/12/18 6:00 PM		2.87	0.25	73	42	2989	28
Initial Production	11/12/18 7:00 PM		3.38	0.22	102	73	3031	28
Initial Production	11/12/18 8:00 PM	Water Weight = 9.9 ppg Oil API = 44.01 @ 60°F (20:00) Decreased choke to 26/64"	3.56	0.34	98	74	3081	28
Initial Production	11/12/18 9:00 PM		3.17	0.26	48	63	3145	26
Initial Production	11/12/18 10:00 PM		3.67	0.36	67	66	3147	26
Initial Production	11/12/18 11:00 PM	(23:00) Decreased choke to 24/64"	3.25	0.36	89	83	3337	26
Initial Production	11/13/18 12:00 AM	Water Weight = 9.9 ppg Oil API = 44.53 @ 60°F H2S=0ppm	3.61	0.28	84	80	3533	24
Initial Production	11/13/18 1:00 AM		3.14	0.35	88	78	3700	24
Initial Production	11/13/18 2:00 AM	(02:00) Decreased choke to 22/64"	3.04	0.22	74	45	3518	24
Initial Production	11/13/18 3:00 AM		2.85	0.21	76	51	3587	22
Initial Production	11/13/18 4:00 AM	Water Weight = 9.8 ppg Oil API = 44.[illegible] @ 60°F	2.59	0.33	76	56	3567	22
Initial Production	11/13/18 5:00 AM		2.88	0.15	96	56	3581	22
Initial Production	11/13/18 6:00 AM		2.74	0.61	85	44	3577	22
Initial Production	11/13/18 7:00 AM		2.87	0.20	75	51	3589	22
Initial Production	11/13/18 8:00 AM	Water Weight = 9.8 ppg Oil API = 44.74 @ 60°F	2.67	0.20	61	51	3582	22
Initial Production	11/13/18 9:00 AM		2.84	0.18	77	48	3559	22
Initial Production	11/13/18 10:00 AM		2.55	0.25	59	47	3456	22
Initial Production	11/13/18 11:00 AM		2.59	0.22	72	51	3555	22
Initial Production	11/13/18 12:00 PM	Water Weight = 9.8 ppg Oil API = 44.90 @ 60°F H2S=0ppm	2.54	0.28	84	59	3509	22
Initial Production	11/13/18 1:00 PM		2.42	0.31	78	49	3547	22
Initial Production	11/13/18 2:00 PM		2.69	0.12	77	33	3544	22



HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 11/2/2018

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-5WX-152-99-0310H-4
Coordinates:	LATITUDE/LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: Mbbl/d	Amount: Mbbl
11/3/18 11:00 AM	11/3/18 12:00 PM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: Mbbl/d	Amount: Mbbl
11/3/18 12:00 PM	11/9/18 10:00 AM	2.33	6.9187

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: Mbbl/d	Amount: Mbbl
11/3/18 12:00 PM	11/9/18 10:00 AM	0.95	2.7539

Production through Facilities

Start Date & Time	End Date & Time	Rate: Mbbl/d	Amount: Mbbl
11/9/18 10:00 AM	11/11/18 11:01 AM	1.43	1.6504

Comments: Flowing to TPMC flare as directed by lease operator, due to high pipeline pressure and high gas temperature.

Responsible Party (?)

Name:	David Abbott	Title:	Site Supervisor		
Email:	david.abbott@hessmc.com	Phone:	307-679-4764	Mobile:	307-679-4764

Digital Attachment of equipment layout

(b) (9)

Version: [illegible]

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY

[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]		
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	PSI

FRAC JOB SUMMARY

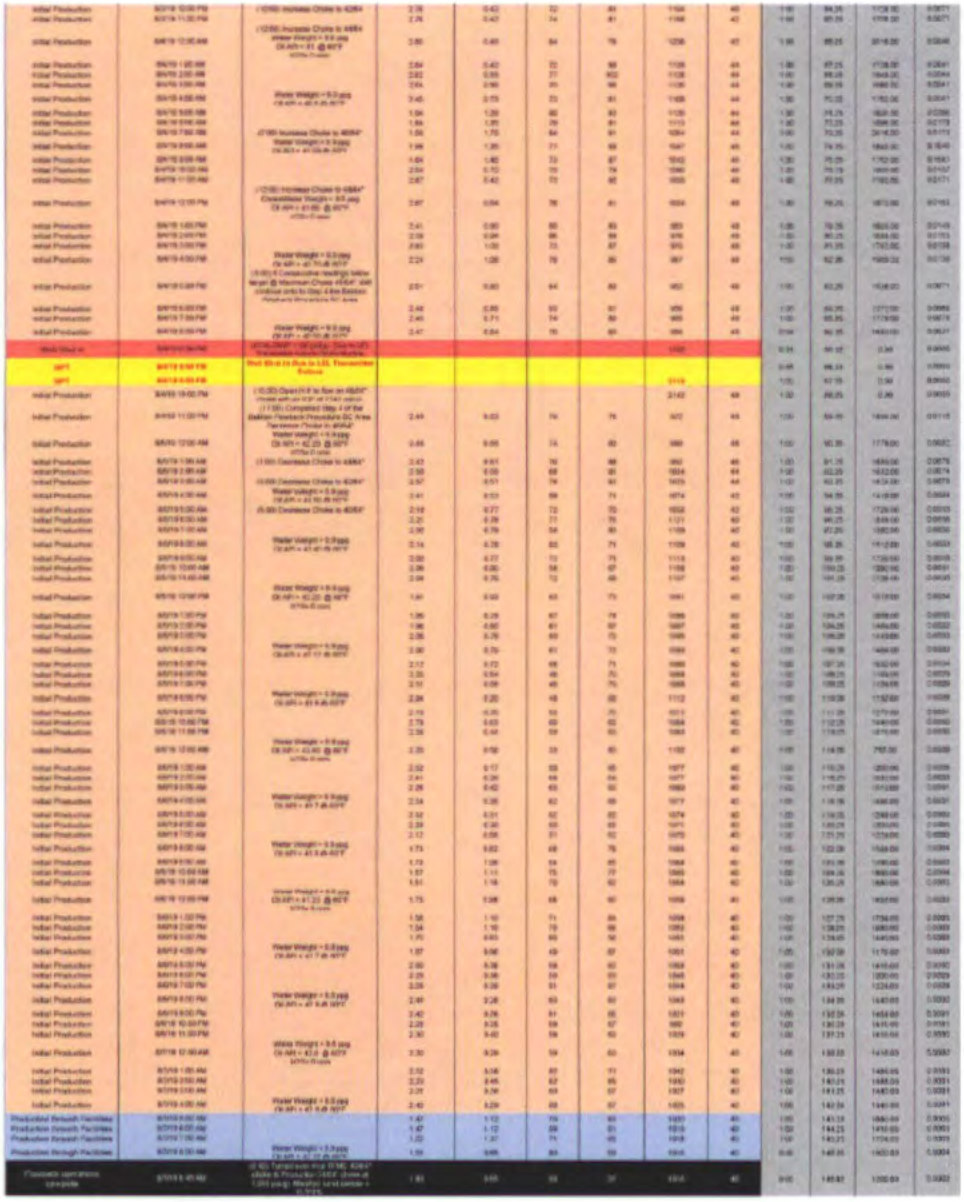
[illegible]		
[illegible]	[illegible]	BBLS
[illegible]	[illegible]	LBS
[illegible]	[illegible]	Stages
[illegible]	[illegible]	Stages

[illegible]

Data Completed By:

[illegible]

Event Phase	Date	Remarks	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	Report start time	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Standard Work	[illegible]	TFMC Crew Arrive on location							[illegible]	[illegible]	[illegible]	[illegible]
Standard Work	[illegible]	TFMC Complete JSA and conduct Pre job safety meeting							[illegible]	[illegible]	[illegible]	[illegible]
Standard Work	[illegible]	TFMC Equipment Arrived on location							[illegible]	[illegible]	[illegible]	[illegible]
Standard Work	[illegible]	TFMC Spotting equipment and starting rigging operations							[illegible]	[illegible]	[illegible]	[illegible]
NPT	[illegible]	Safety Stand down due to Lightning							[illegible]	[illegible]	[illegible]	[illegible]
NPT	[illegible]	Safety Stand down due to Lightning							[illegible]	[illegible]	[illegible]	[illegible]
NPT	[illegible]	Safety Stand down due to Lightning							[illegible]	[illegible]	[illegible]	[illegible]
NPT	[illegible]	Safety Stand down due to Lightning							[illegible]	[illegible]	[illegible]	[illegible]
Standard Work	[illegible]	Lightning has moved to a safe distance TFMC crew able to continue Rigging operations							[illegible]	[illegible]	[illegible]	[illegible]
Standard Work	[illegible]	TFMC crew continuing Rigging operations							[illegible]	[illegible]	[illegible]	[illegible]
Standard Work	[illegible]	TFMC crew continuing Rigging operations							[illegible]	[illegible]	[illegible]	[illegible]
Standard Work	[illegible]	TFMC crew continuing Rigging operations							[illegible]	[illegible]	[illegible]	[illegible]
Standard Work	[illegible]	TFMC crew continuing Rigging operations							[illegible]	[illegible]	[illegible]	[illegible]
Standard Work	[illegible]	TFMC crew continuing Rigging operations							[illegible]	[illegible]	[illegible]	[illegible]
Standard Work	[illegible]	TFMC crew continuing Rigging operations							[illegible]	[illegible]	[illegible]	[illegible]
Standard Work	[illegible]	TFMC crew continuing Rigging operations							[illegible]	[illegible]	[illegible]	[illegible]
Standard Work	[illegible]	TFMC crew continuing Rigging operations							[illegible]	[illegible]	[illegible]	[illegible]
Standard Work	[illegible]	TFMC crew continuing Rigging operations							[illegible]	[illegible]	[illegible]	[illegible]
Standard Work	[illegible]	TFMC crew continuing Rigging operations							[illegible]	[illegible]	[illegible]	[illegible]
Standard Work	[illegible]	TFMC crew continuing Rigging operations							[illegible]	[illegible]	[illegible]	[illegible]
Standard Work	[illegible]	TFMC crew continuing Rigging operations							[illegible]	[illegible]	[illegible]	[illegible]
NPT	[illegible]	[illegible]							[illegible]	[illegible]	[illegible]	[illegible]
NPT	[illegible]	[illegible]							[illegible]	[illegible]	[illegible]	[illegible]
Initial Flowback	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Flowback	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Flowback	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]	[illegible]							[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]					[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
NPT	[illegible]	[illegible]							[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Initial Production	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/1/2019

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-BARNEY-154-98-1819H-6 API # 33105049[redacted]
Coordinates:	LATITUDE/LONGITUDE (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/2/19 12:00 PM	8/2/19 2:10 PM	0.95	0.0788

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/2/19 2:10 PM	8/7/19 5:00 AM	2.21	9.9540

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/2/19 2:10 PM	8/7/19 5:00 AM	0.79	3.5173

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/7/19 5:00 AM	8/7/19 8:40 AM	1.14	0.1435

Comments:

Responsible Party (?)

Name:	Travis Atkinson	**Title:**	Site Supervisor		
Email:	Travis.Atkinson@technipfmc.com	**Phone:**	307-899-7221	**Mobile:**	307-899-7221

Digital Attachment of equipment layout

Place picture here

Place picture here

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 11/21/2018

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-BINGEMAN-154-98-0904H-6
Coordinates:	LATITUDE/LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
11/21/18 2:00 PM	11/22/18 11:25 AM	1.60	0.1997

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
11/22/18 12:00 PM	11/26/18 8:38 AM	3.79	14.5186

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
11/22/18 12:00 PM	11/26/18 8:38 AM	0.00	0.0000

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Alex Feierabend	Title:	Site Supervisor		
Email:	alexander.feierabend@rockiesfir	Phone:	701-389-1428	Mobile:	701-389-1428

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/9/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	SC-GENE-154-98-0805H-3	API #	3310504444
Coordinates:	LATITUDE:/LONGITUDE:	(b) (9)	

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/10/18 9:30 AM	8/10/18 10:00 AM	0.00	0.0000

Initial Production - Flare/Separator

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/10/18 10:00 AM	8/13/18 11:00 AM	1.97	4.3611

Initial Production - Flare Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/10/18 10:00 AM	8/13/18 11:00 AM	0.79	2.3674

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/13/18 11:00 AM	8/13/18 11:01 AM	0.00	0.0000

Comments: Flare as directed by lease operator. High pipeline pressure. High gas temperature.

Responsible Party (?)

Name:	David Abbott	Title:	Site Supervisor		
Email:	david.abbott@techcipfmc.com	Phone:	307-679-4764	Mobile:	307-679-4764

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/9/2018

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-GENE-154-98-0805H-4 API # 3310504443
Coordinates:	LATITUDE,/LONGITUDE (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/13/18 1:30 PM	8/13/18 3:00 PM	0.00	0.0000

Initial Production - Flare/Separator

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/13/18 3:00 PM	8/17/18 11:00 AM	1.47	5.6289

Initial Production - Flare Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/13/18 3:00 PM	8/17/18 11:00 AM	0.68	2.5807

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/17/18 11:00 AM	8/17/18 1:01 PM	0.55	0.0468

Comments: Flare as directed by Lease Operator. High pipeline pressure. High gas temperature.

Responsible Party (?)

Name:	David Abbott	Title:	Site Supervisor		
Email:	david.abbott@technipfmc.com	Phone:	307-679-6764	Mobile:	307-679-6764

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/9/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	SC-GENE 154-98-0805H-5		API #: 3310500442
Coordinates:	LATITUDE/LONGITUDE	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: Mbbcf/d	Amount: Mbbcf
#N/A	#N/A	0.00	0.0000
Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: Mbbcf/d	Amount: Mbbcf
8/17/18 3:45 PM	8/20/18 11:00 AM	2.26	6.3280
Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: Mbbcf/d	Amount: Mbbcf
8/17/18 3:45 PM	8/20/18 11:00 AM	0.62	1.7370
Production through Facilities			
Start Date & Time	End Date & Time	Rate: Mbbcf/d	Amount: Mbbcf
8/20/18 11:00 AM	8/20/18 12:01 PM	1.70	0.0060
Comments:	Flare as directed by lease operator. High gas temperature, high pipeline pressure.		

Responsible Party (?)					
Name:	David Abbott	**Title:**	Site Supervisor		
Email:	david.abbott@hessinfrac.com	**Phone:**	307-679-4764	**Mobile:**	307-679-4764

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/9/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	SC-GENE-154-98-0805H-6		API #: 3310404441
Coordinates:	LATITUDE / LONGITUDE	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/20/18 2:15 PM	8/20/18 3:00 PM	0.00	0.0000
Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/20/18 3:00 PM	8/23/18 8:00 AM	2.04	5.4960
Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/20/18 3:00 PM	8/23/18 8:00 AM	0.50	1.3414
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/23/18 8:00 AM	8/23/18 9:50 AM	1.20	0.1289

Comments: Place as directed by Lease Operator. High gas temperature. High pipeline pressure.

Responsible Party (?)					
Name:	David Abbott	**Title:**	Site/Supervisor		
Email:	david.abbott@technipfmc.com	**Phone:**	307-679-4764	**Mobile:**	307-679-4764

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 10/3/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	SC-GENE-154-98-0805H-7		API#: 3310504787
Coordinates:	LATITUDE/LONGITUDE	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/3/19 11:00 AM	10/3/19 12:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/3/19 12:00 PM	10/9/19 8:00 AM	0.00	0.0000
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/3/19 12:00 PM	10/9/19 8:00 AM	2.78	14.5167
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/9/19 8:00 AM	10/9/19 8:01 AM	0.00	0.0000
Comments:			

Responsible Party (?)					
Name:	Steve Thompson	**Title:**	Site Supervisor		
Email:	sthompson@amertest.us.com	**Phone:**	701 578-5082	**Mobile:**	701 578-5082

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 9/26/2019

General Information			
Company Name:	Hess Bakken LLC, II		API #: 3310500788
Lease/Well:	SC-GENE-154-98-0805H-8		
Coordinates:	LATITUDE/LONGITUDE	(b) (9)	

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/26/19 11:00 AM	9/26/19 12:00 PM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/26/19 12:00 PM	10/3/19 7:00 AM	0.00	0.0000

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/26/19 12:00 PM	10/3/19 7:00 AM	1.94	7.7593

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/3/19 7:00 AM	10/3/19 7:01 AM	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Steve Thompson	**Title:**	Site Supervisor		
Email:	sthompson@newtint.us.com	**Phone:**	701 578-5082	**Mobile:**	701 578-5082

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 9/20/2019

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-GENE-154-98-1805H-9 API #: 3315504786
Coordinates:	LATITUDE/LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/20/19 10:00 AM	9/20/19 11:00 AM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/20/19 11:00 AM	9/26/19 7:00 AM	0.00	0.0000

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/20/19 11:00 AM	9/26/19 7:00 AM	3.14	18.2833

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/26/19 7:00 AM	9/26/19 7:01 AM	0.00	0.0000

Comments:

Responsible Party (ies)

Name:	Steve Thompson	Title:	Site Supervisor		
Email:	sthompson@ameritest.us.com	Phone:	701 578-5082	Mobile:	701 578-5082

Digital Attachment of equipment layout

(b) (9)

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/8/19

Date: 9/15/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	SC-GENE LE-154-98-0805H-1		API #:33105047[redacted]
Coordinates:	LATITUDE/LONGITUDE: (b) (9) [redacted]		

Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/15/19 3:00 PM	9/15/19 4:00 PM	0.00	0.0000

Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/15/19 4:00 PM	9/20/19 7:00 AM	0.00	0.0000

Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/15/19 4:00 PM	9/20/19 7:00 AM	3.06	13.9045

Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/20/19 7:00 AM	9/20/19 7:01 AM	0.00	0.0000

Comments:

Responsible Party (?)					
Name:	Steve Thompson	Title:	Site Supervisor		
Email:	sthompson@ameritest.us.com	Phone:	701 578-5082	Mobile:	701 578-5082

Digital Attachment of equipment layout

(b) (9) [redacted]

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 10/28/2018

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-HOVING-154-98-1003H-2 API # 33105045[illegible]
Coordinates:	LATITUDE/LONGITUDE (b) (9) [redacted]

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/29/18 1:20 PM	10/29/18 4:00 PM	0.26	0.0108

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/29/18 4:00 PM	11/3/18 9:20 AM	1.17	2.1158

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
10/29/18 4:00 PM	11/3/18 9:20 AM	2.36	10.1758

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
11/3/18 9:20 AM	TBD	0.00	0.0000

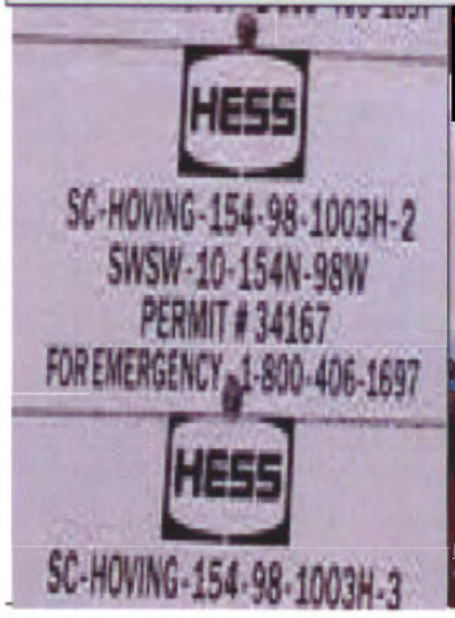
Comments:

Responsible Party (?)

Name:	Reid Collie	Title:	Site Supervisor		
Email:	jonathan.collie@[illegible]	Phone:	701-509-2742	Mobile:	701-509-2742

Digital Attachment of equipment layout

(b) (9) [redacted]



HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 10/28/2019

General Information	
Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-HOVING-154-98-1003H-3 API # 33105045[redacted]
Coordinates:	LATITUDE/LONGITUDE: [redacted]

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
11/3/18 3:00 PM	11/4/18 2:00 PM	1.10	0.1346

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
11/3/18 5:03 PM	11/10/18 7:01 AM	2.70	11.8295

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
11/3/18 5:03 PM	11/10/18 7:01 AM	0.25	0.0204

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Alex Feierabend	Title:	Site Supervisor		
Email:	alexander.feierabend@technipfe	Phone:	701-389-1428	Mobile:	701-389-1428

[redacted]

Version.20190404

Clear data to create Flowback data for new well

Show/Hide auto-populated data

WELL DATA SUMMARY	
Company Name	Hess Corporation
Well Name	BB-FEDERAL-151-95-0817H-2
API Number	
Area Work Team	D
Field	BB
Formation	MB
Area (Acres)	1280
Date on Location	6/1/2019
Initial Flowback Date	6/16/19 12:00 PM
Flowback Company	TechnipFMC
Responsible Contractor	Joshua Turmon
Phone Contact	701-389-6367
Initial Shut-in Tubing Pressure (Psi)	3,850 PSI

FRAC JOB SUMMARY		
Type Frac Job	Hydraulic Frac	
TOTAL Clean Fluid Pumped	158,271	BBLS
TOTAL Sand Pumped	10,023,482	LBS
Proposed # Stages	31	Stages
Effective # Stages	31	Stages

REFER TO COMMENTS ON CELLS FOR GUIDANCE
DO NOT EDIT CELLS SHADED GREY FOR ANY REASON

Data Completed By:
Flowback Crew / Hess FB Supervisor
Flowback
Automatic

Event Phase	Date MM/DD/YY TIME	Remarks	Flared Gas Rate (FB) MMscfd	Sales Gas Rate MMscfd	Oil Volume bbl/hr	Water Volume bbl/hr	Tubing Press psi(g)	Choke Size in (# /64)	Duration hrs	Cum Time hrs	Oil Daily bbl/day	Total Fluid bbl/hr	Oil Cum bbl	Oil Cut %	Water Cut %	Water Daily bbl/day	Water Cum bbl	Load Recovery %	Total Liq Cum bbl	Flared Gas Cum MMscf	Sales Gas Cum MMSCF	Total Gas Cum MMSCF	GOR scf/bbl	BFPM/FTP (bbls/psi)	Cum FTPH/FTP (bbl/psi)	I/PI (psi/bbl)	BO/Stage (bbls/stg)	SQRT (t) (Hours^0.5)	AWT (ft)	Total Fluid (H20/oil BBLS/Day	Proppant Return lbs
	6/16/19 7:00 PM	**Report start time**	0.00	0.00	0	0	3850	0	0.00	0	0.00	0	0	0.0%	0	0.00	0	0.0%	0	0.00	0.00	0.00		0.0			0.0	0.0	D	0	
Standard Work	6/16/19 10:00 AM	(10:01) TFMC Begin RDMO to H2.							1.00	0.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	0.0	D	0	0.0000
Standard Work	6/16/19 11:00 AM	(11:30) TFMC Completes RDMO, Fill lines for Pressure Testing. (12:00) Arp Testing arrives on location. Begins High Pressure test on 2" 1502 Line.							1.00	1.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	1.0	D	0	0.0000
Standard Work	6/16/19 12:00 PM	(12:10) Pressure test pass. (12:15) Begins Low Pressure test on 3" 206 line. (12:25) Pressure test pass/complete. (12:30) TFMC begins maintenance and completes checklists before opening.							1.00	2.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	1.4	D	0	0.0000
Standard Work	6/16/19 1:00 PM	(1:10) Intermediate casing began to rise to 1500 psi(g).TFMC bleeds off to open top. (1:50) Casing bled off to 0 psi(g)							1.00	3.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00					0.0	1.7	D	0	0.0000
Initial Flowback	6/16/19 2:00 PM	(2:00) Open well to flow on a 24/64" choke with an IOP of 3,850 psi(g) to HS0088. Immediate Gas and Oil to surface					3850	24	0.05	4.00	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	2.0	D	0	0.0000
Initial Production	6/16/19 2:05 PM	(2:05) Oil to Production on a 24/64" choke with a WHP of 2,735 psi(g)					2735	24	0.55	4.08	0.00	0.00	0.00			0.00	0.00	0.0%	0.00	0.00	0.00	0.00		0.0	0.0		0.0	2.0	D	0	0.0000
Initial Production	6/16/19 3:00 PM		2.40	0.00	1	35	2507	24	1.00	5.00	24.00	36.00	1.00	2.78%	97.22%	840.00	35.00	0.0%	36.00	0.10	0.00	0.10	100000	0.0	0.0	56.0	0.8	2.2	D	864	0.0018
Initial Production	6/16/19 4:00 PM	(4:00) Increase choke to 28/64" Water Weight = 9.8 ppg Oil Api = 46.53 @ 60°F	2.19	0.74	97	54	3114	24	1.00	6.00	2328.00	151.00	98.00	64.24%	35.76%	1296.00	89.00	0.1%	187.00	0.19	0.03	0.22	1257.731959	0.0	0.1	0.3	75.1	2.4	D	3624	0.0112
Initial Production	6/16/19 5:00 PM		2.50	0.60	118	43	2645	28	1.00	7.00	2832.00	161.00	216.00	73.29%	26.71%	1032.00	132.00	0.1%	348.00	0.30	0.06	0.35	1096.045198	0.1	0.1	0.4	91.4	2.6	D	3864	0.0199
Initial Production	6/16/19 6:00 PM	(6:00) Increase choke to 32/64"	3.48	0.00	131	46	2488	28	1.00	8.00	3144.00	177.00	347.00	74.01%	25.99%	1104.00	178.00	0.1%	525.00	0.44	0.06	0.50	1106.870229	0.1	0.2	0.4	101.4	2.8	D	4248	0.0131
Initial Production	6/16/19 7:00 PM		4.35	0.00	130	34	2607	32	1.00	9.00	3120.00	164.00	477.00	79.27%	20.73%	816.00	212.00	0.1%	689.00	0.62	0.06	0.68	1394.230769	0.1	0.3	0.4	100.6	3.0	D	3936	0.0091
Initial Production	6/16/19 8:00 PM	(8:00) Increase choke to 36/64" Water Weight = 9.9 ppg Oil Api = 44.62 @ 60°F	4.65	0.00	163	43	2700	32	1.00	10.00	3912.00	206.00	640.00	79.13%	20.87%	1032.00	255.00	0.2%	895.00	0.82	0.06	0.87	1188.850307	0.1	0.3	0.3	126.2	3.2	D	4944	0.0204
Initial Production	6/16/19 9:00 PM		5.31	0.00	174	40	2527	36	0.06	11.00	4176.00	214.00	814.00	81.31%	18.69%	960.00	295.00	0.2%	1109.00	1.04	0.06	1.09	1271.551724	0.1	0.4	0.3	134.7	3.3	D	5136	0.0264
Well Shut in	6/16/19 9:06 PM	SWIP 3412					3412		0.01	11.10	0.00	0.00	814.00			0.00	295.00	0.2%	1109.00	1.04	0.06	1.09		0.0	0.3		0.0	3.3	D	0	0.0000
NPT	6/16/19 9:07 PM	Blue Light/High Level Alarm Production Teater, Production working on clearing salt blockage from Oil Dump							0.28	11.12	0.00	0.00	814.00			0.00	295.00	0.2%	1109.00	1.04	0.06	1.09					0.0	3.3	D	0	0.0000
Initial Production	6/16/19 9:35 PM	Open to Flow to HS-0088 on a 32/64 Choke at 3.400 PSIG					3400		0.25	11.58	0.00	0.00	814.00			0.00	295.00	0.2%	1109.00	1.04	0.06	1.09		0.0	0.3		0.0	3.4	D	0	0.0000
Initial Production	6/16/19 10:00 PM		4.37	0.00	110	31	2639	32	1.00	12.00	2640.00	141.00	924.00	78.01%	21.99%	744.00	326.00	0.2%	1250.00	1.22	0.06	1.27	1655.30303	0.1	0.5	0.5	85.2	3.5	D	3384	0.0035
Initial Production	6/16/19 11:00 PM	(23:54) Increase choke to 34/64"	4.87	0.00	161	36	2756	32	1.00	13.00	3864.00	197.00	1085.00	81.73%	18.27%	864.00	362.00	0.2%	1447.00	1.42	0.06	1.48	1260.351967	0.1	0.5	0.3	124.6	3.6	D	4728	0.0049
Initial Production	6/17/19 12:00 AM	(12:45) Decrease choke to 32/64" Water Weight = 9.8 ppg Oil Api = 45.15 @ 60°F H2S = 0%	5.07	0.00	185	36	2638	34	1.00	14.00	4440.00	221.00	1270.00	83.71%	16.29%	864.00	398.00	0.3%	1668.00	1.63	0.06	1.69	1141.891892	0.1	0.6	0.3	143.2	3.7	D	5304	0.0056
Initial Production	6/17/19 1:00 AM		4.42	0.00	156	36	2553	32	1.00	15.00	3744.00	192.00	1426.00	81.25%	18.75%	864.00	434.00	0.3%	1860.00	1.82	0.06	1.87	1180.555556	0.1	0.7	0.3	120.8	3.9	D	4608	0.0047
Initial Production	6/17/19 2:00 AM		4.78	0.00	155	38	2697	32	0.08	16.00	3720.00	193.00	1581.00	80.31%	19.69%	912.00	472.00	0.3%	2053.00	2.02	0.06	2.07	1284.946237	0.1	0.8	0.3	120.0	4.0	D	4632	0.0048
Well Shut in	6/17/19 2:08 AM	SWIP 3497					3497		0.01	16.13	0.00	0.00	1581.00			0.00	472.00	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.0	D	0	0.0000
NPT	6/17/19 2:09 AM	Blue Light/High Level Alarm Production Teater, two Phase Seperator dump issue							0.24	16.15	0.00	0.00	1581.00			0.00	472.00	0.3%	2053.00	2.02	0.06	2.07					0.0	4.0	D	0	0.0000
Initial Production	6/17/19 2:33 AM	Open to Flow to HS-0088 on a 32/64 Choke at 3.497 PSIG					3497	32	0.04	16.55	0.00	0.00	1581.00			0.00	472.00	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.1	D	0	0.0000
Well Shut in	6/17/19 2:37 AM	SWIP 3497					3497		0.01	16.62	0.00	0.00	1581.00			0.00	472.00	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.1	D	0	0.0000
NPT	6/17/19 2:38 AM	Blue Light/High Level Alarm Production Teater, two Phase Seperator dump issue							0.22	16.63	0.00	0.00	1581.00			0.00	472.00	0.3%	2053.00	2.02	0.06	2.07					0.0	4.1	D	0	0.0000
NPT	6/17/19 3:00 AM	Production is working on the issue					3481		0.40	17.00	0.00	0.00	1581.00			0.00	472.00	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.1	D	0	0.0000
Initial Production	6/17/19 3:40 AM	Open to Flow to HS-0088 on a 32/64 Choke at 3.471 PSIG					3471	32	0.05	17.67	0.00	0.00	1581.00			0.00	472.00	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.2	D	0	0.0000
Well Shut in	6/17/19 3:46 AM	SWIP 3393					3393		0.01	17.75	0.00	0.00	1581.00			0.00	472.00	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.2	D	0	0.0000
NPT	6/17/19 3:46 AM	Blue Light/High Level Alarm Production Teater, two Phase Seperator dump issue							0.14	17.77	0.00	0.00	1581.00			0.00	472.00	0.3%	2053.00	2.02	0.06	2.07					0.0	4.2	D	0	0.0000
NPT	6/17/19 4:00 AM	Shut in waiting on new two phase dump.					3486		1.00	18.00	0.00	0.00	1581.00			0.00	472.00	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.2	D	0	0.0000
NPT	6/17/19 5:00 AM						3550		1.00	19.00	0.00	0.00	1581.00			0.00	472.00	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.4	D	0	0.0000
NPT	6/17/19 6:00 AM						3588		1.00	20.00	0.00	0.00	1581.00			0.00	472.00	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.5	D	0	0.0000
NPT	6/17/19 7:00 AM						3601		0.15	21.00	0.00	0.00	1581.00			0.00	472.00	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.6	D	0	0.0000
Initial Production	6/17/19 7:15 AM	(7:15) Open Well to flow on a 32/64" choke with a WHP of 3,620 psi(c)					3620	32	0.44	21.25	0.00	0.00	1581.00			0.00	472.00	0.3%	2053.00	2.02	0.06	2.07		0.0	0.8		0.0	4.6	D	0	0.0000
Well Shut in	6/17/19 7:59 AM	SWIP: 3,061 psi(g)					3061		0.01	21.58	0.00	0.00	1581.00			0.00	472.00	0.3%	2053.00	2.02	0.06	2.07		0.0	0.7		0.0	4.7	D	0	0.0000
NPT	6/17/19 8:00 AM	(7:59) Blue Light due to High level in 2 Phase Treater.				79	24		0.22	22.00	1896.00	103.00	1660.00	76.70%	23.30%	576.00	496.00	0.5%	2156.00	2.02	0.06	2.07	0			2.0	61.2	4.7	D	2472	0.0000
Initial Production	6/17/19 8:22 AM	(8:22) Open well to flow on a 28/64" per Produciton Hand until Hot Oiler flushes their dumps. WHP: 3,562 psi(g)					3562	28	0.38	22.37	0.00	0.00	1660.00			0.00	496.00	0.3%	2156.00	2.02	0.06	2.07		0.0	0.6		0.0	4.7	D	0	0.0000
Initial Production	6/17/19 9:00 AM	(9:00) Increase choke to 32/64"	3.30	0.00	99	14	2744	28	1.00	23.00	2376.00	113.00	1759.00	87.61%	12.39%	336.00	510.00	0.3%	2269.00	2.15	0.06	2.21	1388.888889	0.0	0.6	0.5	76.6	4.8	D	2712	0.0140
Initial Production	6/17/19 10:00 AM	(10:00) Increase choke to 34/64"	4.80	0.00	174	34	2634	32	1.00	24.00	4176.00	206.00	1933.00	83.65%	16.35%	816.00	544.00	0.3%	2477.00	2.35	0.06	2.41	1149.425287	0.1	0.9	0.3	134.7	4.9	D	4992	0.0257
Initial Production	6/17/19 11:00 AM	(11:00) Increase choke to 36/64"	5.00	0.00	163	42	2554	34	1.00	25.00	3912.00	205.00	2096.00	79.51%	20.49%	1008.00	586.00	0.4%	2682.00	2.56	0.06	2.62	1278.118609	0.1	1.1	0.3	126.2	5.0	D	4920	0.0253
Initial Production	6/17/19 12:00 PM	(12:00) Water Weight = 9.8 ppg Oil, API = 42.42 @ 60°F H2S = 0 ppm	5.50	0.00	171	39	2455	36	1.00	26.00	4104.00	210.00	2267.00	81.43%	18.57%	936.00	625.00	0.4%	2892.00	2.79	0.06	2.85	1340.155945	0.1	1.2	0.3	132.4	5.1	D	5040	0.0363
Initial Production	6/17/19 1:00 PM	(1:00) Target of 225+/-10 bfph met. 24 Hr Countdown begins.	5.60	0.00	180	50	2455	36	1.00	27.00	4320.00	230.00	2447.00	78.26%	21.74%	1200.00	675.00	0.4%	3122.00	3.02	0.06	3.08	1296.296296	0.1	1.3	0.3	139.4	5.2	D	5520	0.0170
Initial Production	6/17/19 2:00 PM		5.70	0.00	170	52	2460	36	1.00	28.00	4080.00	222.00	2617.00	76.58%	23.42%	1248.00	727.00	0.5%	3344.00	3.26	0.06	3.32	1397.058824	0.1	1.4	0.3	131.6	5.3	D	5328	0.0219
Initial Production	6/17/19 3:00 PM		5.70	0.00	172	45	2460	36	1.00	29.00	4128.00	217.00	2789.00	79.26%	20.74%	1080.00	772.00	0.5%	3561.00	3.50	0.06	3.56	1380.813953	0.1	1.4	0.3	133.2	5.4	D	5208	0.0161
Initial Production	6/17/19 4:00 PM	Water Weight = 9.8 ppg Oil API = 43.02 @ 60°F	5.70	0.00	180	41	2455	36	1.00	30.00	4320.00	221.00	2969.00	81.45%	18.55%	984.00	813.00	0.5%	3782.00	3.74	0.06	3.79	1319.444444	0.1	1.5	0.3	139.4	5.5	D	5304	0.0218
Initial Production	6/17/19 5:00 PM	(5:00) Decrease choke to 34/64" per Production Hand due to salted dumps and treater levels getting too high.	5.80	0.00	138	27	2452	36	1.00	31.00	3312.00	165.00	3107.00	83.64%	16.36%	648.00	840.00	0.5%	3947.00	3.96	0.06	4.03	1751.207729	0.1	1.6	0.4	106.6	5.6	D	3960	0.0122
Initial Production	6/17/19 6:00 PM		5.11	0.00	168	36	2548	34	1.00	32.00	4032.00	204.00	3275.00	82.35%	17.65%	864.00	876.00	0.6%	4151.00	4.19	0.06	4.25	1267.361111	0.1	1.6	0.3	130.1	5.7	D	4896	0.0252
Initial Production	6/17/19 7:00 PM	(7:00) Increase choke to 36/64"	5.39	0.00	175	29	2513	34	1.00	33.00	4200.00	204.00	3456.00	85.78%	14.22%	696.00	905.00	0.6%	4355.00	4.42	0.06	4.47	1283.333333	0.1	1.7	0.3	135.5	5.7	D	4896	0.0151
Initial Production	6/17/19 8:00 PM	Water Weight = 9.8 ppg Oil API = 44.46 @ 60°F	5.79	0.00	167	36	2428	36	1.00	34.00	4008.00	203.00	3617.00	82.27%	17.73%	864.00	941.00	0.6%	4558.00	4.66	0.06	4.71	1444.610778	0.1	1.9	0.4	129.3	5.8	D	4872	0.0150
Initial Production	6/17/19 9:00 PM	(9:00) Increase choke to 38/64"	5.76	0.00	179	33	2431	36	1.00	35.00	4296.00	212.00	3796.00	84.43%	15.57%	792.00	974.00	0.6%	4770.00	4.90	0.06	4.95	1340.782123	0.1	2.0	0.3	138.6	5.9	D	5088	0.0157
Initial Production	6/17/19 10:00 PM		6.23	0.00	179	37	2332	38	1.00	36.00	4296.00	216.00	3975.00	82.87%	17.13%	888.00	1011.00	0.6%	4966.00	5.16	0.06	5.21	1450.18622	0.1	2.1	0.4	138.6	6.0	D	5184	0.0097

Initial Production	6/17/19 11:00 PM		6.14	0.00	186	38	2323	38	1:00	37.00	4464.00	224.00	4161.00	83.04%	16.96%	912.00	1049.00	0.7%	5210.00	5.41	0.06	5.47	1375.448029	0.1	2.2	0.3	144.0	6.1	D	5376	0.0111
Initial Production	6/18/19 12:00 AM	(12:00) Water Weight = 9.8 ppg OIL API = 43.79 @ 60°F H_2S = 0 ppm	6.13	0.00	186	51	2311	38	1:00	38.00	4464.00	237.00	4347.00	78.48%	21.52%	1224.00	1100.00	0.7%	5447.00	5.67	0.06	5.72	1373.207885	0.1	2.4	0.3	144.0	6.2	D	5668	0.0059
Initial Production	6/18/19 1:00 AM		6.12	0.00	180	43	2309	38	1:00	39.00	4320.00	223.00	4627.00	80.72%	19.28%	1032.00	1143.00	0.7%	5670.00	5.92	0.06	5.98	1416.666667	0.1	2.5	0.4	139.4	6.2	D	5352	0.0055
Initial Production	6/18/19 2:00 AM		6.11	0.00	189	35	2308	38	1:00	40.00	4536.00	224.00	4716.00	84.38%	15.63%	840.00	1178.00	0.7%	5894.00	6.18	0.06	6.23	1347.001764	0.1	2.6	0.3	146.3	6.3	D	5376	0.0277
Initial Production	6/18/19 3:00 AM		6.09	0.00	183	40	2303	38	1:00	41.00	4392.00	223.00	4899.00	82.06%	17.94%	960.00	1218.00	0.8%	6117.00	6.43	0.06	6.49	1366.612022	0.1	2.7	0.4	141.7	6.4	D	5352	0.0110
Initial Production	6/18/19 4:00 AM	(4:02) Decrease choke to 34/64" per Production Hand Due to oil Tank Volume Water Weight = 9.8 ppg Oil API = 43.90 @ 60°F	6.10	0.00	180	34	2298	38	1:00	42.00	4320.00	214.00	5079.00	84.11%	15.89%	816.00	1252.00	0.8%	6331.00	6.69	0.06	6.74	1412.037037	0.1	2.8	0.4	139.4	6.5	D	5136	0.0106
Initial Production	6/18/19 5:00 AM		5.38	0.00	157	34	2481	34	1:00	43.00	3768.00	191.00	5236.00	82.20%	17.80%	816.00	1286.00	0.8%	6522.00	6.91	0.06	6.97	1427.613163	0.1	2.6	0.4	121.5	6.6	D	4584	0.0094
Initial Production	6/18/19 6:00 AM		5.30	0.00	175	37	2484	34	1:00	44.00	4200.00	212.00	5411.00	82.56%	17.45%	888.00	1323.00	0.8%	6734.00	7.13	0.06	7.19	1261.904762	0.1	2.7	0.3	135.5	6.6	D	5088	0.0052
Initial Production	6/18/19 7:00 AM		5.30	0.00	157	28	2482	34	1:00	45.00	3768.00	185.00	5596.00	84.86%	15.14%	672.00	1351.00	0.9%	6919.00	7.35	0.06	7.41	1406.581741	0.1	2.8	0.4	121.5	6.7	D	4440	0.0046
Initial Production	6/18/19 8:00 AM	(8:00) Decrease choke to 32/64" per Production hand until LACT is fixed. Water Weight = 9.7 ppg Oil API = 42.41 @ 60°F	5.30	0.00	166	34	2472	34	1:00	46.00	3984.00	200.00	5734.00	83.00%	17.00%	816.00	1385.00	0.9%	7119.00	7.57	0.06	7.63	1330.321285	0.1	2.9	0.3	128.5	6.8	D	4800	0.0049
Initial Production	6/18/19 9:00 AM		4.90	0.00	158	34	2545	32	1:00	47.00	3792.00	192.00	5892.00	82.29%	17.71%	816.00	1419.00	0.9%	7311.00	7.78	0.06	7.83	1292.194093	0.1	2.9	0.3	122.3	6.9	D	4608	0.0047
Initial Production	6/18/19 10:00 AM		5.00	0.00	161	32	2533	32	1:00	48.00	3864.00	193.00	6053.00	83.42%	16.58%	768.00	1451.00	0.9%	7504.00	7.98	0.06	8.04	1293.995859	0.1	3.0	0.3	124.6	6.9	D	4632	0.0048
Initial Production	6/18/19 11:00 AM		5.00	0.00	152	33	2532	32	1:00	49.00	3648.00	185.00	6205.00	82.16%	17.84%	792.00	1484.00	0.9%	7689.00	8.19	0.06	8.25	1370.614035	0.1	3.0	0.4	117.7	7.0	D	4440	0.0046
Initial Production	6/18/19 12:00 PM	Water Weight = 9.7 ppg Oil API = 43.44 @ 60°F H_2S = 0 ppm	4.90	0.00	157	28	2528	32	1:00	50.00	3768.00	185.00	6362.00	84.86%	15.14%	672.00	1512.00	1.0%	7874.00	8.40	0.06	8.45	1300.424628	0.1	3.1	0.4	121.5	7.1	D	4440	0.0046
Initial Production	6/18/19 1:00 PM	(1:00) LACT is fixed. We will resume schedule and target 225+/- 10 bbph for 24 consecutive hours.	2.00	0.00	157	25	2525	32	1:00	51.00	3768.00	182.00	6519.00	86.26%	13.74%	600.00	1537.00	1.0%	8056.00	8.48	0.06	8.54	530.7855626	0.1	3.2	0.4	121.5	7.1	D	4368	0.0045
Initial Production	6/18/19 2:00 PM	(1:30) Increase choke to 34/64" (2:00) Increase choke to 36/64" (2:30) Increase choke to 38/64"	5.10	0.00	148	47	2442	34	1:00	52.00	3552.00	195.00	6667.00	75.90%	24.10%	1128.00	1584.00	1.0%	8251.00	8.69	0.06	8.75	1435.810811	0.1	3.4	0.4	114.6	7.2	D	4680	0.0048
Initial Production	6/18/19 3:00 PM		6.00	0.00	148	32	2202	38	1:00	53.00	3552.00	180.00	6815.00	82.22%	17.78%	768.00	1616.00	1.0%	8431.00	8.94	0.06	9.00	1689.189189	0.1	3.8	0.5	114.6	7.3	D	4320	0.0044
Initial Production	6/18/19 4:00 PM	Water Weight = 9.7 ppg Oil API = 43.44 @ 60°F	6.00	0.00	165	30	2238	38	1:00	54.00	3960.00	195.00	6960.00	84.62%	15.38%	720.00	1646.00	1.0%	8626.00	9.19	0.06	9.25	1515.151515	0.1	3.9	0.4	127.7	7.3	D	4680	0.0048
Initial Production	6/18/19 5:00 PM		5.90	0.00	171	39	2246	38	1:00	55.00	4104.00	210.00	7151.00	81.43%	18.57%	936.00	1685.00	1.1%	8836.00	9.44	0.06	9.50	1437.621832	0.1	3.9	0.4	132.4	7.4	D	5040	0.0052
Initial Production	6/18/19 6:00 PM	(6:06) Decrease choke to 36/64" per Production hand until LACT is fixed.	6.10	0.00	189	40	2171	40	1:00	56.00	4536.00	229.00	7340.00	82.53%	17.47%	960.00	1725.00	1.1%	9065.00	9.69	0.06	9.75	1344.797178	0.1	4.2	0.4	146.3	7.5	D	5496	0.0057
Initial Production	6/18/19 7:00 PM	(7:30) LACT is fixed. We will resume schedule and target 225+/- 10 bbph for 24 consecutive hours. Increase choke to 38/64"	5.52	0.00	138	36	2370	36	1:00	57.00	3312.00	174.00	7478.00	79.31%	20.69%	864.00	1781.00	1.1%	9239.00	9.92	0.06	9.98	1666.666667	0.1	3.9	0.4	106.8	7.5	D	4176	0.0043
Initial Production	6/18/19 8:00 PM	Water Weight = 9.7 ppg Oil API = 43.09 @ 60°F	6.31	0.00	144	29	2244	38	1:00	58.00	3456.00	173.00	7622.00	83.24%	16.76%	696.00	1790.00	1.1%	9412.00	10.19	0.06	10.24	1825.810185	0.1	4.2	0.5	111.5	7.6	D	4152	0.0043
Initial Production	6/18/19 9:00 PM	(9:00) Target of 225+/-10 bfph met. 24 Hr Countdown begins	6.12	0.00	195	39	2199	38	1:00	59.00	4680.00	234.00	7817.00	83.33%	16.67%	936.00	1829.00	1.2%	9646.00	10.44	0.06	10.50	1307.692308	0.1	4.4	0.4	151.0	7.7	D	5616	0.0058
Initial Production	6/18/19 10:00 PM		6.02	0.00	179	36	2199	38	1:00	60.00	4296.00	215.00	7996.00	83.26%	16.74%	864.00	1865.00	1.2%	9861.00	10.69	0.06	10.75	1401.303538	0.1	4.5	0.4	138.6	7.7	D	5160	0.0053
Initial Production	6/18/19 11:00 PM		3.00	0.00	177	42	2294	38	1:00	61.00	4248.00	219.00	8173.00	80.82%	19.18%	1008.00	1907.00	1.2%	10080.00	10.82	0.06	10.87	706.2146893	0.1	4.4	0.4	137.0	7.8	D	5256	0.0054
Initial Production	6/19/19 12:00 AM	(12:00) Water Weight = 9.8 ppg OIL API = 43.05 @ 60°F H_2S = 0 ppm	5.98	0.00	176	42	2189	38	1:00	62.00	4224.00	216.00	8349.00	80.73%	19.27%	1008.00	1949.00	1.2%	10296.00	11.07	0.06	11.12	1415.719697	0.1	4.7	0.4	136.3	7.9	D	5232	0.0054
Initial Production	6/19/19 1:00 AM		6.02	0.00	186	39	2187	38	1:00	63.00	4464.00	225.00	8535.00	82.67%	17.33%	936.00	1985.00	1.3%	10523.00	11.32	0.06	11.37	1348.566308	0.1	4.8	0.4	144.0	7.9	D	5400	0.0056
Initial Production	6/19/19 2:00 AM		6.02	0.00	174	38	2185	38	1:00	64.00	4176.00	212.00	8709.00	82.08%	17.92%	912.00	2026.00	1.3%	10735.00	11.57	0.06	11.62	1441.570881	0.1	4.9	0.4	134.7	8.0	D	5088	0.0052
Initial Production	6/19/19 3:00 AM		6.01	0.00	175	40	2183	38	1:00	65.00	4200.00	215.00	8884.00	81.40%	18.60%	960.00	2066.00	1.3%	10950.00	11.82	0.06	11.87	1430.952381	0.1	5.0	0.4	135.5	8.1	D	5160	0.0053
Initial Production	6/19/19 4:00 AM	Water Weight = 9.7 ppg Oil API = 43.10 @ 60°F	6.01	0.00	180	39	2179	38	1:00	66.00	4320.00	219.00	9064.00	82.19%	17.81%	936.00	2105.00	1.3%	11169.00	12.07	0.06	12.12	1391.203704	0.1	5.1	0.4	139.4	8.1	D	5256	0.0054
Initial Production	6/19/19 5:00 AM		6.00	0.00	177	40	2175	38	1:00	67.00	4248.00	217.00	9241.00	81.57%	18.43%	960.00	2145.00	1.4%	11386.00	12.32	0.06	12.37	1412.429379	0.1	5.2	0.4	137.0	8.2	D	5208	0.0054
Initial Production	6/19/19 6:00 AM		5.90	0.00	180	43	2171	38	1:00	68.00	4320.00	223.00	9421.00	80.72%	19.28%	1032.00	2188.00	1.4%	11609.00	12.56	0.06	12.62	1365.740741	0.1	5.3	0.4	139.4	8.2	D	5352	0.0055
Initial Production	6/19/19 7:00 AM		5.90	0.00	177	34	2176	38	1:00	69.00	4248.00	211.00	9598.00	83.89%	16.11%	816.00	2222.00	1.4%	11820.00	12.81	0.06	12.87	1368.888889	0.1	5.4	0.4	137.0	8.3	D	5064	0.0052
Initial Production	6/19/19 8:00 AM	(8:00) Increase choke to 40/64" Water Weight = 9.7 ppg Oil API = 42.56 @ 60°F	5.90	0.00	163	42	2168	38	1:00	70.00	3912.00	205.00	9761.00	79.51%	20.49%	1008.00	2264.00	1.4%	12025.00	13.06	0.06	13.11	1508.179959	0.1	5.5	0.4	126.2	8.4	D	4920	0.0051
Initial Production	6/19/19 9:00 AM		6.00	0.00	179	40	2126	40	1:00	71.00	4296.00	219.00	9940.00	81.74%	18.26%	960.00	2304.00	1.5%	12244.00	13.31	0.06	13.36	1396.648045	0.1	5.8	0.4	138.6	8.4	D	5256	0.0054
Initial Production	6/19/19 10:00 AM		6.00	0.00	184	43	2124	40	1:00	72.00	4416.00	227.00	10124.00	81.06%	18.94%	1032.00	2347.00	1.5%	12471.00	13.56	0.06	13.61	1358.695652	0.1	5.9	0.4	142.5	8.5	D	5448	0.0224
Initial Production	6/19/19 11:00 AM		6.00	0.00	169	32	2115	40	1:00	73.00	4056.00	201.00	10293.00	84.08%	15.92%	768.00	2379.00	1.5%	12672.00	13.81	0.06	13.86	1479.289941	0.1	6.0	0.4	130.8	8.5	D	4824	0.0099
Initial Production	6/19/19 12:00 PM	(12:00) Target not hit for 2 hours, Production Hand asked that we remain on 40/64" to keep from high leveling the treater. Water Weight = 9.7 ppg Oil API = 42.82 @ 60°F H_2S = 0 ppm	6.00	0.00	173	36	2108	40	1:00	74.00	4152.00	209.00	10466.00	82.78%	17.22%	864.00	2415.00	1.5%	12881.00	14.06	0.06	14.11	1445.086705	0.1	6.1	0.4	133.9	8.6	D	5016	0.0052
Initial Production	6/19/19 1:00 PM	(1:30) Decrease choke to 34/64" per production until Hot oiler flushes dumps.	5.20	0.36	157	47	2108	40	1:00	75.00	3768.00	204.00	10623.00	76.96%	23.04%	1128.00	2462.00	1.6%	13085.00	14.27	0.07	14.34	1476.11465	0.1	6.2	0.5	121.5	8.7	D	4896	0.0060
Initial Production	6/19/19 2:00 PM	(2:00) Hot Oiler arrives, flushes dump. (2:30) Increase choke to 38/64"	4.80	0.41	160	23	2382	34	1:00	76.00	3840.00	183.00	10783.00	87.43%	12.57%	552.00	2485.00	1.6%	13268.00	14.47	0.09	14.56	1366.770833	0.1	5.6	0.4	123.9	8.7	D	4392	0.0045
Initial Production	6/19/19 3:00 PM		5.30	0.67	150	41	2140	38	1:00	77.00	3600.00	191.00	10933.00	78.53%	21.47%	984.00	2526.00	1.6%	13459.00	14.69	0.12	14.81	1659.444444	0.1	6.3	0.5	116.1	8.8	D	4584	0.0047
Initial Production	6/19/19 4:00 PM	Water Weight = 9.7 ppg Oil API = 42.74 @ 60°F	5.50	0.37	179	43	2139	38	1:00	78.00	4296.00	222.00	11112.00	80.63%	19.37%	1032.00	2569.00	1.6%	13681.00	14.92	0.13	15.06	1365.223464	0.1	6.4	0.4	138.6	8.8	D	5328	0.0055
Initial Production	6/19/19 5:00 PM		5.60	0.46	177	34	2133	38	1:00	79.00	4248.00	211.00	11289.00	83.89%	16.11%	816.00	2603.00	1.6%	13892.00	15.16	0.15	15.31	1426.318267	0.1	6.5	0.4	137.0	8.9	D	5064	0.0062
Initial Production	6/19/19 6:00 PM		5.40	0.47	175	46	2125	38	1:00	80.00	4200.00	221.00	11464.00	79.19%	20.81%	1104.00	2649.00	1.7%	14113.00	15.38	0.17	15.55	1395.238095	0.1	6.6	0.4	135.5	8.9	D	5304	0.0066
Initial Production	6/19/19 7:00 PM		5.40	0.46	177	43	2126	38	1:00	81.00	4248.00	220.00	11641.00	80.45%	19.55%	1032.00	2692.00	1.7%	14333.00	15.61	0.19	15.80	1379.472693	0.1	6.7	0.4	137.0	9.0	D	5280	0.0064
Initial Production	6/19/19 8:00 PM	Water Weight = 9.8 ppg Oil API = 43.76 @ 60°F	5.49	0.36	170	36	2123	38	1:00	82.00	4080.00	206.00	11811.00	82.52%	17.48%	864.00	2728.00	1.7%	14539.00	15.83	0.20	16.04	1433.823529	0.1	6.8	0.4	131.8	9.1	D	4944	0.0061
Initial Production	6/19/19 9:00 PM	(9:00) Decrease choke to 36/64	4.94	0.90	176	39	2115	38	1:00	83.00	4224.00	215.00	11987.00	81.86%	18.14%	936.00	2767.00	1.7%	14754.00	16.04	0.24	16.28	1382.575758	0.1	7.0	0.4	136.3	9.1	D	5160	0.0053
Initial Production	6/19/19 10:00 PM		4.73	0.71	164	34	2236	36	1:00	84.00	3936.00	198.00	12151.00	82.83%	17.17%	816.00	2801.00	1.8%	14952.00	16.24	0.27	16.51	1382.113821	0.1	6.7	0.4	127.0	9.2	D	4752	0.0049
Initial Production	6/19/19 11:00 PM	(11:00) Decrease choke to 34/64	5.04	0.38	164	33	2231	36	1:00	85.00	3936.00	197.00	12316.00	83.25%	16.75%	792.00	2834.00	1.8%	15149.00	16.45	0.29	16.73	1377.03252	0.1	6.8	0.4	127.0	9.2	D	4728	0.0049
Initial Production	6/20/19 12:00 AM	Water Weight = 9.7 ppg Oil API = 44.16 @ 60°F H_2S = 0 ppm	4.73	0.37	156	33	2322	34	1:00	86.00	3744.00	189.00	12471.00	82.54%	17.46%	792.00	2867.00	1.8%	15338.00	16.64	0.30	16.95	1362.179487	0.1	6.6	0.4	120.8	9.3	D	4536	0.0047
Initial Production	6/20/19 1:00 AM	(1:00) Decrease choke to 32/64	4.42	0.67	154	31	2314	34	1:00	87.00	3696.00	185.00	12625.00	83.24%	16.76%	744.00	2898.00	1.8%	15523.00	16.83	0.33	17.16	1377.164502	0.1	6.7	0.4	119.2	9.3	D	4440	0.0046
Initial Production	6/20/19 2:00 AM		4.44	0.37	154	30	2381	32	1:00	88.00	3696.00	184.00	12779.00	83.70%	16.30%	720.00	2928.00	1.8%	15707.00	17.01	0.35	17.36	1301.406926	0.1	6.6	0.4	119.2	9.4	D	4416	0.0045
Initial Production	6/20/19 3:00 AM	(3:00) Decrease choke to 30/64	4.20	0.31	143	36	2389	32	1:00	89.00	3432.00	179.00	12922.00	79.89%	20.11%	864.00	2964.00	1.9%	15886.00	17.19	0.36	17.55	1311.188811	0.1	5.6	0.4	110.7	9.4	D	4296	0.0044
Initial Production	6/20/19 4:00 AM	(4:00) Decrease choke to 28/64Water Weight = 9.7 ppg Oil API = 43.95 @ 60°F	3.85	0.25	135	30	2460	30	1:00	90.00	3240.00	165.00	13057.00	81.82%	18.18%	720.00	2994.00	1.9%	16051.00	17.35	0.37	17.72	1265.432099	0.1	6.5	0.4	104.5	9.5	D	3960	0.0041
Initial Production	6/20/19 5:00 AM	(5:00) Decrease choke to 26/64	3.90	0.21	135	31	2459	28	1:00	91.00	3240.00	166.00	13192.00	81.33%	18.67%	744.00	3025.00	1.9%	16217.00	17.51	0.38	17.89	1268.518519	0.1	6.6	0.4	104.5	9.5	D	3984	0.0041
Production through Facilities	6/20/19 6:00 AM	(6:00) Decrease choke to 24/64	2.70	0.45	115	42	2677	26	1:00	92.00	2760.00	157.00	13307.00	73.29%	26.76%	1008.00	3067.00	1.9%	16374.00	17.82	0.40	18.02	1142.391304	0.1	6.1	0.4	89.0	9.6	D	3768	0.0039
Flowback operations complete	6/20/19 7:00 AM	(7:15) Turned over on a TFMC 24/64" choke to Production 15/64" choke at 2,763 psi(g). Manifold sand sample = 0.01%	2.80	0.50	104	21	2763	24	0.00	93.00	2496.00	125.00	13411.00	83.20%	16.80%	504.00	3088.00	2.0%	16499.00	17.74	0.42	18.16	1323.317308	0.0	6.0	0.4	80.5	9.6	D	3000	0.0031

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 11/15/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	SC-Hoving-LW-154-98-1003H-1	API # 3310503868	
Coordinates:	LATITUDE:/LONGITUDE: (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
11/15/18 2:00 PM	11/15/18 5:00 PM	2.33	0.1942
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
11/15/18 5:00 PM	TBD	3.84	21.6324
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
11/15/18 5:00 PM	TBD	0.00	0.0000
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments:			
Responsible Party (?)			
Name:	Brennan Loveland	Title:	Site Supervisor
Email:	Brennan.loveland@technipfmc.co	Phone:	208-360-2542
Mobile:	208-360-2542		

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/23/2018

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-JCB-154-98-1720H-3 API # 33105044 40
Coordinates:	LATITUDE/LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: Mlbscf/d	Amount: MMscf
8/23/18 12:00 PM	8/23/18 1:00 PM	0.00	0.0000

Initial Production - Flare/Separator

Start Date & Time	End Date & Time	Rate: Mlbscf/d	Amount: MMscf
8/23/18 1:00 PM	8/26/18 10:00 AM	30.20	135.9131

Initial Production - Flare Facilities

Start Date & Time	End Date & Time	Rate: Mlbscf/d	Amount: MMscf
8/25/18 1:00 PM	8/26/18 10:00 AM	0.30	0.9944

Production through Facilities

Start Date & Time	End Date & Time	Rate: Mlbscf/d	Amount: MMscf
8/28/18 10:00 AM	8/28/18 10:16 AM	0.27	0.0114

Comments: Flare as directed by Lease Operator. High gas temperature. High pipeline pressure.

Responsible Party (?)

Name:	David Abbott	**Title:**	Site Supervisor		
Email:	david.abbott@tacheiphc.com	**Phone:**	307-679-4764	**Mobile:**	307-679-4764

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/23/2018

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-JCB-154-98-1720H-4
Coordinates:	LATITUDE,/LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/24/18 6:00 PM	8/24/18 10:00 PM	0.00	0.0000

Initial Production - Flare/Separator

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/24/18 10:00 PM	8/30/18 7:00 AM	1.57	8.1055

Initial Production - Flare Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/24/18 10:00 PM	8/30/18 7:00 AM	0.44	2.1658

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/30/18 7:00 AM	8/30/18 8:21 AM	0.32	0.0282

Comments: Flare as directed by lease operator. High gas temperature.

Responsible Party (?)

Name:	David Abbott	Title:	Site Supervisor		
Email:	david.abbott@technicfmc.com	Phone:	307-679-4764	Mobile:	307-679-4764

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/9/2018

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-JCB-154-98-1720H-5 API # 3310504408
Coordinates:	LATITUDE / LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/28/18 1:00 PM	8/28/18 3:00 PM	0.00	0.0000

Initial Production - Flare/Separator

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/28/18 3:00 PM	9/13/18 8:30 AM	1.77	27.4566

Initial Production - Flare Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/28/18 3:00 PM	9/13/18 8:30 AM	0.28	2.9716

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/13/18 8:30 AM	9/13/18 8:31 AM	0.00	0.0000

Comments: Flare as directed by Lease Operator. High gas temperature.

Responsible Party (?)

Name:	David Abbott	Title:	Site Supervisor		
Email:	david.abbott@hesbrightinc.com	Phone:	307-679-4764	Mobile:	307-679-4764

Digital Attachment of equipment layout

(b) (9)

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/23/2018

General Information			
Company Name: Hess Bakken LLC, II			
Lease/Well: SC-JCB-154-98-1720H-6		API # [redacted]	
Coordinates: LATITUDE / LONGITUDE [redacted]			
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/30/18 12:00 PM	8/30/18 2:00 PM	0.00	0.0000
Initial Production - Flare/Separator			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/30/18 2:00 PM	TBD	1.78	33.5583
Initial Production - Flare Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/30/18 2:00 PM	TBD	0.25	4.1403
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments: Flare as directed by Lease Operator. High gas temperature.			
Responsible Party (?)			
Name: David Abbott	**Title:** Site Supervisor		
Email: tallen.mcginley@technipfmc.com	**Phone:** 507-696-0103	**Mobile:** 507-696-0103	

[redacted]


HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 9/5/2019

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-JCB-154-98-1720H-7 API # 33105047[illegible]
Coordinates:	LATITUDE/LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/5/19 11:00 AM	9/5/19 4:00 PM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/5/19 4:00 PM	9/15/19 7:00 AM	0.00	0.0000

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/5/19 4:00 PM	9/15/19 7:00 AM	2.07	19.8368

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/15/19 7:00 AM	9/15/19 7:01 AM	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Steve Thompson	Title:	Site Supervisor		
Email:	sthompson@smartpet.us.com	Phone:	701 578-5082	Mobile:	701 578-5082

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/31/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	SC-JCB-154-98-1720H-8		API #: 33105047[redacted]
Coordinates:	LATITUDE/LONGITUDE: (b) (9) [redacted]		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/31/19 12:00 PM	8/31/19 1:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/31/19 1:00 PM	9/5/19 8:00 AM	0.00	0.0000
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/31/19 1:00 PM	9/5/19 8:00 AM	3.30	15.6017
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
9/5/19 8:00 AM	9/5/19 8:01 AM	0.00	0.0000
Comments:			

Responsible Party (?)					
Name:	Steve Thompson	Title:	Site Supervisor		
Email:	sthompson@ameritest.us.com	Phone:	701 578-5082	Mobile:	701 578-5082

Digital Attachment of equipment layout

(b) (9) [redacted]

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/27/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	SC-JCB-154-98-1720H-9		API #: 3310504703
Coordinates:	LATITUDE/LONGITUDE: (b) (9)		

Initial Flowback			
Start Date & Time	End Date & Time	Rate: Mbbl/d	Amount: MMscf
8/27/19 12:00 PM	8/27/19 1:00 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: Mbbl/d	Amount: MMscf
8/27/19 1:00 PM	8/31/19 9:00 AM	0.00	0.0000
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: Mbbl/d	Amount: MMscf
8/27/19 1:00 PM	8/31/19 9:00 AM	2.56	9.7154
Production through Facilities			
Start Date & Time	End Date & Time	Rate: Mbbl/d	Amount: MMscf
8/31/19 9:00 AM	8/31/19 9:01 AM	0.00	0.0000
Comments:			

Responsible Party (?)					
Name:	Steve Thompson	Title:	Site Supervisor		
Email:	sthompson@ameritest-us.com	Phone:	701 578-5082	Mobile:	701 578-5082

Digital Attachment of equipment layout

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/21/2019

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	SC-JCB-LE-154-98-1720H-1		API #: 33105304794
Coordinates:	LATITUDE/LONGITUDE:	(b) (9)	

Initial Flowback			
Start Date & Time	End Date & Time	Rate: Mbbl/d	Amount: MMscf
8/21/19 12:00 PM	8/21/19 1:00 PM	0.00	0.0000

Initial Production - Flare (Seperator)			
Start Date & Time	End Date & Time	Rate: Mbbl/d	Amount: MMscf
8/21/19 1:00 PM	8/27/19 8:00 AM	0.00	0.0000

Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: Mbbl/d	Amount: MMscf
8/21/19 1:00 PM	8/27/19 8:00 AM	3.20	16.4875

Production through Facilities			
Start Date & Time	End Date & Time	Rate: Mbbl/d	Amount: MMscf
8/27/19 8:00 AM	8/27/19 8:01 AM	0.00	0.0000

Comments:

Responsible Party (?)					
Name:	Steve Thompson	Title:	Site Supervisor		
Email:	sthompson@anwerkest.us.com	Phone:	701 578-5092	Mobile:	701 578-5092

Digital Attachment of equipment layout

(b) (9)

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 8/12/2019

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-JCB-LE-154-98-1720H-2 API # 33105048??
Coordinates:	LATITUDE/LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/14/19 7:00 AM	8/14/19 9:00 AM	2.06	0.0860

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/14/19 9:01 AM	8/21/19 8:00 AM	2.10	0.0708

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/14/19 9:00 AM	8/21/19 8:00 AM	2.70	15.9983

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
8/21/19 8:00 AM	8/21/19 8:01 AM	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Steve Thompson	Title:	Site Supervisor		
Email:	sthomson@smartest.us.com	Phone:	701 578-5092	Mobile:	701 578-5092

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 12/27/2018

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-TR SLETTE-153-98-1819H-4 API # 33105024581
Coordinates:	LATITUDE/LONGITUDE (b) (9)

Initial Flow

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/28/18 2:30 PM	12/31/18 6:00 AM	2.47	13.4681

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/28/18 4:00 PM	1/4/19 8:30 AM	5.20	33.6980

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
12/28/18 4:00 PM	1/4/19 8:30 AM	0.59	3.2760

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Josh Turnton	Title:	Site Supervisor		
Email:	joshua.turnton@technipfmc.com	Phone:	701-389-9367	Mobile:	701-389-9367

Digital Attachment of equipment layout

NW N N SE S SW W SW W

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 12/27/2018

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-TR SLETTE-153-98-1819H-6 API #: 33-053-05830
Coordinates:	LATITUDE/LONGITUDE: (b) (9)

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/8/19 2:00 PM	1/8/19 2:45 PM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/8/19 2:45 PM	1/12/19 1:00 PM	5.03	19.6906

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/8/19 2:45 PM	1/12/19 1:00 PM	0.36	0.5446

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Josh Turmon	Title:	Site Supervisor		
Email:	joshua.turmon@technipfmc.com	Phone:	701-389-9567	Mobile:	701-389-9567

Digital Attachment of equipment layout

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 12/27/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	SC-TR SLETTE-153-98-1819H-7		API #: 33105034584
Coordinates:	LATITUDE/LONGITUDE: (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/12/19 3:00 PM	1/12/19 3:15 PM	0.00	0.0000
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/12/19 3:15 PM	1/16/19 7:00 AM	4.20	15.2218
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/12/19 3:15 PM	1/16/19 7:00 AM	0.11	0.3867
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments:			
Responsible Party (?)			
Name:	Josh Turnson	Title:	Site Supervisor
Email:	joshua.turnson@technipfmc.com	Phone:	701-389-9067
		Mobile:	701-389-9067

(b) (9)

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 12/27/2018

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-TR SLETTE-LE-153-98-1819H-1 API # 33105045[redacted]
Coordinates:	LATITUDE/LONGITUDE (b) (9) [redacted]

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/25/19 3:00 PM	1/25/19 4:00 PM	0.00	0.0000

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/25/19 4:00 PM	1/30/19 10:00 AM	3.03	14.3495

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/25/19 4:00 PM	1/30/19 10:00 AM	0.25	1.1465

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Joshua Turmon	Title:	Site Supervisor		
Email:	joshua.turmon@technipfmc.com	Phone:	701-389-9567	Mobile:	701-389-9567

Digital Attachment of equipment layout

(b) (9) [redacted]

HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Date: 12/27/2018

General Information

Company Name:	Hess Bakken LLC, II
Lease/Well:	SC-TR SLETTE-153-98-1819H-5 API #: 33105034582
Coordinates:	LATITUDE/LONGITUDE: [redacted]

Initial Flowback

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/4/19 4:30 PM	1/4/19 6:36 PM	0.32	0.0133

Initial Production - Flare (Separator)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/4/19 6:36 PM	1/7/19 1:00 PM	3.20	8.2553

Initial Production - Flare (Facilities)

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/4/19 6:36 PM	1/7/19 1:00 PM	0.67	0.0027

Production through Facilities

Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/7/19 1:00 PM	1/8/19 8:00 AM	0.00	0.0000

Comments:

Responsible Party (?)

Name:	Josh Turmon	**Title:**	Site Supervisor		
Email:	joshua.turmon@hess.com	**Phone:**	701-389-9367	**Mobile:**	701-389-9367

Digital Attachment of equipment layout

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HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

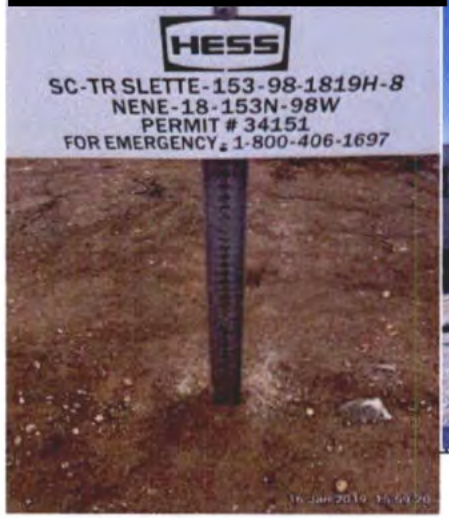
Date: 12/27/2018

General Information			
Company Name:	Hess Bakken LLC, II		
Lease/Well:	SC-TR SLETTE-153-98-1819H-8		API #: 33105043585
Coordinates:	LATITUDE/LONGITUDE: (b) (9)		
Initial Flowback			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/16/19 1:45 PM	1/16/19 2:01 PM	2.41	0.1004
Initial Production - Flare (Separator)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/16/19 2:01 PM	1/25/19 7:00 AM	3.86	30.7323
Initial Production - Flare (Facilities)			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
1/16/19 2:01 PM	1/25/19 7:00 AM	0.11	0.9026
Production through Facilities			
Start Date & Time	End Date & Time	Rate: MMscf/d	Amount: MMscf
#N/A	#N/A	0.00	0.0000
Comments:			
Responsible Party (2)			
Name:	Joshua Turmon	Title:	Site Supervisor
Email:	joshua.turmon@technipfmc.com	Phone:	701-389-9367 Mobile: 701-389-9367

Digital Attachment of equipment layout

(b) (9)

(b) (9)



HESS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/2018 to 8/2/2019

Affected Facilities: Fugitive emission components at a well site affected facility

All resurveys are conducted utilizing Optical Gas Imaging (OGI), which is the same method used to detect fugitive emissions.

Facility Name	Associated Wells	API #	Fugitive Emission Survey Report
AN-Brenna Evenson LE	AN-BRENNA-153-94-3130H-5	33053059290000	Attached
	AN-BRENNA-153-94-3130H-6	33053059300000	
	AN-BRENNA-153-94-3130H-7	33053059310000	
	AN-BRENNA-153-94-3130H-8	33053059320000	
	AN-BRENNA-LE-153-94-3129H-2	33053059340000	
	AN-BRENNA-LE-153-94-3130H-1	33053059330000	
	AN-EVENSON-152-95-0310H-10	33053071380000	
	AN-EVENSON-152-95-0310H-11	33053071370000	
	AN-EVENSON-152-95-0310H-12	33053071360000	
	AN-EVENSON-152-95-0310H-13	33053071350000	
	AN-EVENSON-152-95-0310H-14	33053070170000	
	AN-EVENSON-LE-152-95-0310H-1	33053070160000	
An-Dinwoodie 44-99 Facillity	AN-BOHMBACH-153-94-2734H-2	33053042300000	Attached
	AN-BOHMBACH-153-94-2734H-3	33053043230000	
	AN-BOHMBACH-153-94-2734H-4	33053043240000	
	AN-BOHMBACH-153-94-2734H-5	33053086070000	
	AN-BOHMBACH-153-94-2734H-6	33053086060000	
	AN-BOHMBACH-153-94-2734H-7	33053086050000	
	AN-BOHMBACH-153-94-2734H-9	33053086040000	
	AN-DINWOODIE-153-94-2833H-1	33053033470000	
AN-Dinwoodie/Gudbranson MW Pad	AN-GUDBRANSON-LW-153-94-2215H-1	33053078950000	Attached
	AN-DINWOODIE-153-94-2833H-2	33053076900000	
	AN-DINWOODIE-153-94-2833H-3	33053076910000	
	AN-DINWOODIE-LE-153-94-2833H-1	33053076920000	
AN-Dinwoodie-153-94-2833 H-4,H-5,H-6,H-7,H-8	AN-DINWOODIE-153-94-2833H-4	33053078860000	Attached
	AN-DINWOODIE-153-94-2833H-5	33053078870000	
	AN-DINWOODIE-153-94-2833H-6	33053078880000	
	AN-DINWOODIE-153-94-2833H-7	33053078890000	
	AN-DINWOODIE-153-94-2833H-8	33053078900000	
AN-Evenson-152-95 MW Pad (North 0310H2-5)	AN-BRENNA-153-94-3130H-2	33053069690000	Attached
	AN-BRENNA-153-94-3130H-3	33053069680000	
	AN-BRENNA-153-94-3130H-4	33053069670000	
	AN-BRENNA-LW-153-94-3130H-1	33053069660000	
	AN-EVENSON-152-95-0310H-2	33053050270000	
	AN-EVENSON-152-95-0310H-3	33053050260000	
	AN-EVENSON-152-95-0310H-4	33053050250000	
	AN-EVENSON-152-95-0310H-5	33053050240000	
AN-Gudbranson 153-94 MW Pad	AN-GUDBRANSON-153-94-2215H-1	33053032600000	Attached
	AN-GUDBRANSON-153-94-2215H-2	33053037170000	
	AN-GUDBRANSON-153-94-2215H-3	33053054510000	
	AN-GUDBRANSON-153-94-2215H-4	33053054520000	
	AN-GUDBRANSON-153-94-2215H-5	33053054530000	
	AN-GUDBRANSON-153-94-2215H-6	33053054540000	
	AN-GUDBRANSON-153-94-2215H-7	33053054550000	
	AN-GUDBRANSON-153-94-2215H-8	33053079990000	

Facility Name	Associated Wells	API #	Fugitive Emission Survey Report
	AN-GUDBRANSON-153-94-2215H-9	33053079980000	
	AN-GUDBRANSON-153-94-2215H-10	33053079970000	
	AN-GUDBRANSON-153-94-2215H-11	33053079960000	
	AN-GUDBRANSON-153-94-2215H-12	33053079950000	
AN-Lone Tree MW Pad (H1-3)	AN-LONE TREE-152-95-1207H-1	33053064440000	Attached
	AN-LONE TREE-152-95-1207H-2	33053080230000	
	AN-LONE TREE-152-95-1207H-3	33053080220000	
AN-Prosser 152-95-1102H5-10	AN-PROSSER-152-95-1102H-10	33053065370000	Attached
	AN-PROSSER-152-95-1102H-5	33053065320000	
	AN-PROSSER-152-95-1102H-6	33053065330000	
	AN-PROSSER-152-95-1102H-7	33053065340000	
	AN-PROSSER-152-95-1102H-8	33053065350000	
	AN-PROSSER-152-95-1102H-9	33053065360000	
BB-Budahn A/Budahn-150-95-0403H-6,7,8,9,10/0506H-6,7LSH-1	BB-BUDAHN A-150-95-0403H-10	33053056180000	Attached
	BB-BUDAHN A-150-95-0403H-6	33053056220000	
	BB-BUDAHN A-150-95-0403H-7	33053056210000	
	BB-BUDAHN A-150-95-0403H-8	33053056200000	
	BB-BUDAHN A-150-95-0403H-9	33053056190000	
	BB-BUDAHN A-LS-150-95-0403H-1	33053058240000	
	BB-BUDAHN-150-95-0506H-6	33053071290000	
	BB-BUDAHN-150-95-0506H-7	33053071300000	
	BB-BUDAHN-LS-150-95-0506H-1	33053073770000	
BB-Chapin A North Pad (H2-6)	BB-CHAPIN A-151-95-0403H-2	33053074850000	Attached
	BB-CHAPIN A-151-95-0403H-3	33053074860000	
	BB-CHAPIN A-151-95-0403H-4	33053074870000	
	BB-CHAPIN A-151-95-0403H-5	33053074880000	
	BB-CHAPIN A-151-95-0403H-6	33053074890000	
	BB-Chapin-151-95-0506H-5	33053082590000	
	BB-Chapin-151-95-0506H-6	33053082600000	
	BB-Chapin-151-95-0506H-7	33053082610000	
	BB-Chapin-151-95-0506H-8	33053082620000	
	BB-Chapin-151-95-0506H-9	33053082630000	
	BB-Chapin-151-95-0506H-10	33053061970000	
BB-Chapin South Pad	BB-CHAPIN A-151-95-0403H-10	33053061970000	Attached
	BB-CHAPIN A-151-95-0403H-7	33053061940000	
	BB-CHAPIN A-151-95-0403H-8	33053061950000	
	BB-CHAPIN A-151-95-0403H-9	33053061960000	
	BB-CHAPIN A-LS-151-95-0403H-1	33053061980000	
	BB-CHAPIN-151-95-0506H-2	33053048120000	
	BB-CHAPIN-151-95-0506H-4	33053048140000	
	BB-FEDERAL-151-95-0817H-2	33053064830000	
	BB-FEDERAL-151-95-0817H-3	33053064820000	
	BB-FEDERAL-151-95-0817H-4	33053064810000	
	BB-FEDERAL-151-95-0817H-5	33053064800000	
	BB-FEDERAL-151-95-0817H-6	33053064790000	
	BB-FEDERAL A-151-95-0910H-2	33053065230000	
	BB-FEDERAL A-151-95-0910H-3	33053065240000	
	BB-FEDERAL A-151-95-0910H-4	33053065250000	
	BB-FEDERAL A-151-95-0910H-5	33053065260000	
	BB-FEDERAL A-151-95-0910H-6	33053065270000	

Facility Name	Associated Wells	API #	Fugitive Emission Survey Report
BB-EIDE-151-95-3328H-3,4,5,6,7,LE H-1	BB-EIDE-151-95-3328H-3	33053066590000	Attached
	BB-EIDE-151-95-3328H-4	33053066600000	
	BB-EIDE-151-95-3328H-5	33053066610000	
	BB-EIDE-151-95-3328H-6	33053066620000	
	BB-EIDE-151-95-3328H-7	33053066630000	
	BB-EIDE-LE-151-95-3328H-1	33053066640000	
BB-Federal W Pad	BB-FEDERAL-151-95-1708H-10	33053074790000	Attached
	BB-FEDERAL-151-95-1708H-11	33053074800000	
	BB-FEDERAL-151-95-1708H-7	33053074760000	
	BB-FEDERAL-151-95-1708H-8	33053074770000	
	BB-FEDERAL-151-95-1708H-9	33053074780000	
BB-Lars Rothie West Pad (H5-8, LW H-1)	BB-LARS ROTHIE-LW-151-95-3229H-1	33053076760000	Attached
	BB-LARS ROTHIE-151-95-3229H-8	33053076750000	
	BB-LARS ROTHIE-151-95-3229H-7	33053076740000	
	BB-LARS ROTHIE-151-95-3229H-6	33053076730000	
	BB-LARS ROTHIE-151-95-3229H-5	33053076720000	
BB-OLE ANDERSON-151-95-3130H-4,5,6,7,8	BB-OLE ANDERSON-151-95-3130H-4	33053065050000	Attached
	BB-OLE ANDERSON-151-95-3130H-5	33053065060000	
	BB-OLE ANDERSON-151-95-3130H-6	33053065070000	
	BB-OLE ANDERSON-151-95-3130H-7	33053065080000	
	BB-OLE ANDERSON-151-95-3130H-8	33053065090000	
BB-Sigrid Loomer Pad	BB-SIGRID LOOMER-150-95-0817H-4	33053081240000	Attached
	BB-SIGRID LOOMER-150-95-0817H-5	33053081250000	
	BB-SIGRID LOOMER-150-95-0817H-6	33053081260000	
	BB-SIGRID LOOMER-150-95-0817H-7	33053081270000	
	BB-SIGRID LOOMER-150-95-0817H-8	33053081280000	
	BB-SIGRID LOOMER-150-95-0817H-9	33053081290000	
	BB-SIGRID LOOMER-LW-150-95-0817H-1	33053081300000	
BB-Sivertson SE / Federal B Pad/Lars Rothie	BB-LARS ROTHIE-151-95-2932H-2	33053077370000	Attached
	BB-LARS ROTHIE-151-95-2932H-3	33053077380000	
	BB-LARS ROTHIE-151-95-2932H-4	33053077390000	
	BB-LARS ROTHIE-LE-151-95-2932H-1	33053077400000	
	BB-SIVERTSON-151-95-2019H-6	33053072340000	
	BB-SIVERTSON-151-95-2019H-7	33053072350000	
	BB-SIVERTSON-LS-151-95-2019H-1	33053072330000	
	BB-FEDERAL B-151-95-2122H-6	33053080820000	
	BB-FEDERAL B-151-95-2122H-7	33053080810000	
	BB-FEDERAL B-151-95-2122H-8	33053080800000	
	BB-FEDERAL B-151-95-2122H-9	33053080790000	
	BB-FEDERAL B-151-95-2122H-10	33053080780000	
BL-A Iverson 2 Pad (H4-7, LE H-1)	BL-A IVERSON-155-96-1312H-4	33105043250000	Attached
	BL-A IVERSON-155-96-1312H-5	33105043240000	
	BL-A IVERSON-155-96-1312H-6	33105043230000	
	BL-A IVERSON-155-96-1312H-7	33105043220000	
	BL-A IVERSON-LE-155-96-1312H-1	33105043210000	
BL-Davidson 155-95-96 MW Pad	BL-DAVIDSON-155-96-0211H-5	33105040680000	Attached
	BL-DAVIDSON-155-96-0211H-6	33105040670000	
	BL-DAVIDSON-155-96-0211H-7	33105040660000	
	BL-DAVIDSON-156-96-3526H-7	33105042300000	
	BL-DAVIDSON-156-96-3526H-8	33105040900000	
BL-Iverson C Pad	BL-IVERSON C-155-96-1423H-2	33105040350000	Attached
	BL-IVERSON C-155-96-1423H-3	33105037230000	
	BL-IVERSON C-155-96-1423H-4	33105040360000	
	BL-IVERSON C-155-96-1423H-5	33105037240000	
	BL-IVERSON C-LE-155-96-1423H-1	33105040370000	

Facility Name	Associated Wells	API #	Fugitive Emission Survey Report
BW-Erler/Johnson 149-99 MW Pad (East)	BW-ERLER-149-99-1522H-4	33053061810000	Attached
	BW-ERLER-149-99-1522H-5	33053061820000	
	BW-ERLER-LE-149-99-1522H-1	33053061830000	
	BW-JOHNSON-149-99-1003H-4	33053061780000	
	BW-JOHNSON-149-99-1003H-5	33053061790000	
	BW-JOHNSON-149-99-1003H-6	33053061800000	
BW-Hedstrom H4-5, LW H-1	BW-Hedstrom-149-100-1201H-5	33053079940000	Attached
	BW-Hedstrom-LW-149-100-1201H-1	33053066460000	
BW-RPeterson Kraetsch H4-5	BW-ERLER-149-99-1522H-4	33053057450000	Attached
	BW-ERLER-149-99-1522H-5	33053058160000	
	BW-ERLER-LE-149-99-1522H-1	33053057460000	
	BW-JOHNSON-149-99-1003H-4	33053058170000	
CA-Anderson Smith Pad 2	CA-ANDERSON SMITH-155-96-2635H-2	33105042120000	Attached
	CA-ANDERSON SMITH-155-96-2635H-3	33105042130000	
	CA-ANDERSON SMITH-155-96-2635H-4	33105042150000	
	CA-ANDERSON SMITH-155-96-2635H-5	33105042140000	
	CA-ANDERSON SMITH-155-96-2635H-6	33105042160000	
	CA-ANDERSON SMITH-LE-155-96-2635H-1	33105042110000	
CA-E Burdick East Pad	CA-E BURDICK-155-95-2017H-2	33105046690000	Attached
	CA-E BURDICK-155-95-2017H-3	33105046700000	
	CA-E BURDICK-155-95-2017H-4	33105046710000	
	CA-E BURDICK-155-95-2017H-5	33105046720000	
	CA-E BURDICK-155-95-2017H-6	33105046730000	
	CA-E BURDICK-LE-155-95-2017H-1	33105048860000	
CA-Ferguson Smith/E Burdick Pad	CA-E Burdick-155-95-2017H-7	33105045190000	Attached
	CA-E Burdick-155-95-2017H-8	33105045180000	
	CA-E Burdick-155-95-2017H-9	33105045170000	
	CA-E Burdick-155-95-2017H-10	33105045160000	
	CA-Ferguson Smith-LE-155-95-3031H-1	33105048490000	
	CA-Ferguson Smith-155-95-3031H-5	33105048450000	
	CA-Ferguson Smith-155-95-3031H-6	33105048460000	
	CA-Ferguson Smith-155-95-3031H-7	33105048470000	
	CA-Ferguson Smith-155-95-3031H-8	33105048480000	
	CA-E Burdick-LW-155-95-2017H-1	33105039610000	
CA-FERGUSON-SMITH-155-95-3031H2-4LW1	CA-FERGUSON SMITH-155-95-3031H-2	33105037500000	Attached
	CA-FERGUSON SMITH-155-95-3031H-3	33105037490000	
	CA-FERGUSON SMITH-155-95-3031H-4	33105037480000	
	CA-FERGUSON SMITH-LW-155-95-3031H-1	33105039610000	
CA-Russell Smith H1-7	CA-RUSSELL SMITH-155-96-2425H-1	33105040970000	Attached
	CA-RUSSELL SMITH-155-96-2425H-2	33105040980000	
	CA-RUSSELL SMITH-155-96-2425H-3	33105040990000	
	CA-RUSSELL SMITH-155-96-2425H-4	33105040100000	
	CA-RUSSELL SMITH-155-96-2425H-5	33105041010000	
	CA-RUSSELL SMITH-155-96-2425H-6	33105041020000	
	CA-RUSSELL SMITH-155-96-2425H-7	33105041030000	
CA-STANGELAND-155-95-2128H-1,2,8,9,10	CA-STANGELAND-155-95-2128H-1	33105024150000	Attached
	CA-STANGELAND-155-95-2128H-10	33105042030000	
	CA-STANGELAND-155-95-2128H-2	33105024160000	
	CA-STANGELAND-155-95-2128H-8	33105042010000	
	CA-STANGELAND-155-95-2128H-9	33105042020000	
EN-Cvancara H5-10, LE H1-2	EN-CVANCARA-155-93-1522H-10	33061033940000	Attached
	EN-CVANCARA-155-93-1522H-5	33061037720000	
	EN-CVANCARA-155-93-1522H-6	33061037710000	
	EN-CVANCARA-155-93-1522H-7	33061032750000	
	EN-CVANCARA-155-93-1522H-8	33061032760000	

Facility Name	Associated Wells	API #	Fugitive Emission Survey Report
	EN-CVANCARA-155-93-1522H-9	33061032770000	
	EN-CVANCARA-LE-155-93-1522H-1	33061037730000	
	EN-CVANCARA-LE-155-93-1523H-2	33061038490000	
EN-Dobrovolny A H4-7	EN-DOBROVOLNY A-155-94-2413H-4	33061030650000	Attached
	EN-DOBROVOLNY A-155-94-2413H-5	33061030660000	
	EN-DOBROVOLNY A-155-94-2413H-6	33061030670000	
	EN-DOBROVOLNY A-155-94-2413H-7	33061030680000	
	EN-DOBROVOLNY A-155-94-2413H-8	33061042400000	
	EN-DOBROVOLNY A-155-94-2413H-9	33061042390000	
	EN-DOBROVOLNY A-155-94-2413H-10	33061042380000	
EN-Farhart Pad	EN-FARHART-156-93-0409H-1	33061029600000	Attached
	EN-FARHART-156-93-0409H-2	33061029590000	
	EN-FARHART-156-93-0409H-3	33061029580000	
	EN-FARHART-156-93-0409H-4	33061043600000	
	EN-FARHART-156-93-0409H-5	33061043590000	
	EN-FARHART-156-93-0409H-6	33061043580000	
	EN-FARHART-156-93-0409H-7	33061043570000	
EN-South Horst 50-93 Bakken Facility	EN-FRANDSON-154-93-2116H-1	33061013790000	Attached
	EN-FRANDSON-154-93-2116H-2	33061013800000	
	EN-FRANDSON-154-93-2116H-3	33061013810000	
	EN-FRANDSON-154-93-2116H-4	33061026420000	
	EN-FRANDSON-154-93-2116H-5	33061026430000	
	EN-FRANDSON-154-93-2116H-6	33061026440000	
	EN-FRANDSON-154-93-2116H-7	33061036610000	
	EN-FRANDSON-154-93-2116H-8	33061036620000	
	EN-FRANDSON-154-93-2116H-9	33061036630000	
	EN-MEIERS-154-93-24H-1	33061015030000	
	EN-MEIERS-154-93-24H-2	33061020910000	
	EN-MEIERS-154-93-24H-3	33061020900000	
	EN-RUUD-154-93-2734H-2	33061025520000	
	EN-RUUD-LE-154-93-2734H-1	33061038840000	
	EN-RUUD-LE-154-93-2735H-2	33061038820000	
	EN-STATE D-154-93-2635H-1	33061015160000	
	EN-STATE D-154-93-2635H-10	33061027890000	
	EN-STATE D-154-93-2635H-2	33061022570000	
	EN-STATE D-154-93-2635H-3	33061022580000	
	EN-STATE D-154-93-2635H-4	33306102259000	
	EN-STATE D-154-93-2635H-5	33061022600000	
	EN-STATE D-154-93-2635H-6	33061027850000	
	EN-STATE D-154-93-2635H-7	33061027860000	
	EN-STATE D-154-93-2635H-8	33061027870000	
	EN-STATE D-154-93-2635H-9	33061027880000	
	EN-TRINITY-154-93-2833H-1	33061013820000	
	EN-TRINITY-154-93-2833H-2	33061013830000	
	EN-TRINITY-154-93-2833H-3	33061013840000	
	EN-TRINITY-154-93-2833H-4	33061024740000	
	EN-TRINITY-154-93-2833H-5	33061024750000	
	EN-TRINITY-154-93-2833H-7	33061030290000	
	EN-TRINITY-154-93-2833H-8	33061030300000	
	EN-TRINITY-154-93-2833H-9	33061030310000	
	EN-URAN A-154-93-2215H-1	33061014720000	
	EN-URAN A-154-93-2215H-12	33061032490000	
	EN-URAN A-154-93-2215H-5	33061032500000	
	EN-URAN A-154-93-2215H-6	33061032510000	
	EN-URAN A-154-93-2215H-7	33061032520000	

Facility Name	Associated Wells	API #	Fugitive Emission Survey Report
	EN-URAN A-154-93-2215H-8	33061032530000	
	EN-URAN A-154-93-2215H-9	33061032540000	
	EN-URAN A-LE-154-93-2214H-2	33061038830000	
	EN-URAN A-LE-154-93-2215H-1	33061038810000	
	EN-WEYRAUCH B-154-93-3031H-1	33061017570000	
	EN-WEYRAUCH B-154-93-3031H-2	33061017580000	
	EN-WEYRAUCH-154-93-1918H-1	33061014960000	
	EN-WEYRAUCH-154-93-1918H-2	33061014970000	
	EN-WEYRAUCH-154-93-1918H-4	33061024950000	
	EN-WEYRAUCH-154-93-1918H-5	33061024940000	
	EN-WEYRAUCH-154-93-1918H-6	33061024930000	
	EN-WEYRAUCH-154-93-1918H-7	33061024920000	
	EN-WEYRAUCH-154-93-1918H-8	33061024910000	
	EN-WEYRAUCH-154-93-1918H-9	33061027840000	
EN-Freda/Leo	EN-FREDA-154-94-2635H-1	33061025390000	Attached
	EN-FREDA-154-94-2635H-10	33061039080000	
	EN-FREDA-154-94-2635H-11	33061039090000	
	EN-FREDA-154-94-2635H-12	33061039100000	
	EN-FREDA-154-94-2635H-2	33061025400000	
	EN-FREDA-154-94-2635H-3	33061031010000	
	EN-FREDA-154-94-2635H-4	33061031020000	
	EN-FREDA-154-94-2635H-5	33061031030000	
	EN-FREDA-154-94-2635H-6	33061031040000	
	EN-FREDA-154-94-2635H-7	33061031050000	
	EN-FREDA-154-94-2635H-8	33061039060000	
	EN-FREDA-154-94-2635H-9	33061039070000	
	EN-LEO-154-94-2324H-1	33061025380000	
	EN-LEO-154-94-2324H-2	33061027820000	
	EN-LEO-154-94-2324H-3	33061027830000	
EN-Johnson 56-101 Bakken Facility	EN-DAKOTA N-155-94-211609H-1	33061020240000	Attached
	EN-DAKOTA N-155-94-211609H-2	33061020230000	
	EN-DAKOTA N-155-94-211609H-3	33061020220000	
	EN-DAKOTA S-155-94-211609H-4	33061020250000	
	EN-DAKOTA S-155-94-211609H-5	33061020260000	
	EN-DAKOTA S-155-94-211609H-6	33061020270000	
	EN-JOHNSON A-155-94-2932H-1	33061016290000	
	EN-JOHNSON A-155-94-2932H-2	33061016310000	
	EN-JOHNSON A-155-94-2932H-3	33061016330000	
	EN-JOHNSON A-155-94-2932H-5	33061030910000	
	EN-JOHNSON-155-94-2017H-1	33061016280000	
	EN-JOHNSON-155-94-2017H-2	33061016300000	
	EN-JOHNSON-155-94-2017H-3	33061016320000	
	EN-JOHNSON-155-94-2017H-4	33061028430000	
	EN-JOHNSON-155-94-2017H-5	33061028420000	
	EN-JOHNSON-155-94-2017H-6	33061028410000	
	EN-KIESEL-155-94-1918H-1	33061033290000	
	EN-KIESEL-155-94-1918H-2	33061015540000	
	EN-KIESEL-155-94-1918H-4	33061033300000	
	EN-KIESEL-LE-155-94-1917H-2	33061034920000	
	EN-KIESEL-LE-155-94-1918H-1	33061034930000	
	EN-NELSON-155-94-2833H-6	33061032630000	
	EN-NELSON-155-94-2833H-7	33061032620000	
	EN-NELSON-155-94-2833H-8	33061032620100	
	EN-NELSON-155-94-2833H-9	33061032600000	
	EN-JEFFREY A-155-94-2734H-1	3061020860000	

Facility Name	Associated Wells	API #	Fugitive Emission Survey Report
EN-JEFFREY/JEFFREY A-155-94-2215 Pad	EN-JEFFREY A-155-94-2734H-2	33061020850000	Attached
	EN-JEFFREY A-155-94-2734H-3	33061020820000	
	EN-JEFFREY A-155-94-2734H-4	33061032250000	
	EN-JEFFREY A-155-94-2734H-5	33061032260000	
	EN-JEFFREY A-155-94-2734H-6	33061032270000	
	EN-JEFFREY A-155-94-2734H-7	33061032280000	
	EN-JEFFREY A-155-94-2734H-8	33061032290000	
	EN-JEFFREY A-155-94-2734H-9	33061032300000	
	EN-JEFFREY-155-94-2215H-1	33061020870000	
	EN-JEFFREY-155-94-2215H-2	33061020850000	
	EN-JEFFREY-155-94-2215H-3	33061020830000	
EN-KMJ URAN-154-93-2734	EN-DAKOTA N-155-94-211609H-1	33061020240000	Attached
	EN-DAKOTA N-155-94-211609H-2	33061020230000	
	EN-DAKOTA N-155-94-211609H-3	33061020220000	
	EN-DAKOTA S-155-94-211609H-4	33061020250000	
	EN-DAKOTA S-155-94-211609H-5	33061020260000	
	EN-DAKOTA S-155-94-211609H-6	33061020270000	
	EN-JOHNSON A-155-94-2932H-1	33061016320000	
	EN-JOHNSON A-155-94-2932H-2	33061016310000	
	EN-JOHNSON A-155-94-2932H-3	33061016330000	
	EN-JOHNSON A-155-94-2932H-5	33061030910000	
	EN-JOHNSON-155-94-2017H-1	33061016280000	
	EN-JOHNSON-155-94-2017H-2	33061016300000	
	EN-JOHNSON-155-94-2017H-3	33061016320000	
	EN-JOHNSON-155-94-2017H-4	33061028430000	
	EN-JOHNSON-155-94-2017H-5	33061028420000	
	EN-JOHNSON-155-94-2017H-6	33061028410000	
	EN-KIESEL-155-94-1918H-1	33061033290000	
	EN-KIESEL-155-94-1918H-2	33061015540000	
	EN-KIESEL-155-94-1918H-4	33061033300000	
	EN-KIESEL-LE-155-94-1917H-2	33061034920000	
	EN-KIESEL-LE-155-94-1918H-1	33061034930000	
	EN-NELSON-155-94-2833H-6	33061032630000	
	EN-NELSON-155-94-2833H-7	33061032620000	
	EN-NELSON-155-94-2833H-8	33061032610000	
	EN-NELSON-155-94-2833H-9	33061032600000	
EN-KMJ URAN-154-93-2734	EN-KMJ URAN-154-93-2734H-10	33061037290000	Attached
	EN-KMJ URAN-154-93-2734H-11	33061037260000	
	EN-KMJ URAN-154-93-2734H-5	33061028340000	
	EN-KMJ URAN-154-93-2734H-6	33061028330000	
	EN-KMJ URAN-154-93-2734H-7	33061028320000	
	EN-KMJ URAN-154-93-2734H-8	33061028310000	
	EN-KMJ URAN-154-93-2734H-9	33061028300000	
	EN-KMJ URAN-LW-154-93-2733H-2	33061037280000	
	EN-KMJ URAN-LW-154-93-2734H-1	33061037270000	
	EN-KMJ URAN-154-93-2734H-10	33061037290000	
	EN-KMJ URAN-154-93-2734H-11	33061037260000	
	EN-KMJ URAN-LW-154-93-2733H-2	33061037280000	
	EN-KMJ URAN-LW-154-93-2734H-1	33061037270000	
	EN-KMJ URAN-LW-154-93-2734H-1	33061037270000	
EN-L Cvancara H2-10	EN-L CVANCARA-155-93-2627H-10	33061033740000	Attached
	EN-L CVANCARA-155-93-2627H-11	33061033750000	
	EN-L CVANCARA-155-93-2627H-7	33061033710000	
	EN-L CVANCARA-155-93-2627H-8	33061033720000	
	EN-L CVANCARA-155-93-2627H-9	33061033730000	

Facility Name	Associated Wells	API #	Fugitive Emission Survey Report
EN-Leo E 154-94 MW Pad	EN-LEO E-154-94-2423H-11	33061037890000	Attached
	EN-LEO E-154-94-2423H-12	33061040000000	
	EN-LEO E-154-94-2423H-10	33061037900000	
	EN-LEO E-154-94-2423H-9	33061037370000	
	EN-LEO E-154-94-2423H-8	33061037380000	
EN-Madisyn LE Central Facility	EN-KULCZYK-154-94-2029H-5	33061037350000	Attached
	EN-KULCZYK-154-94-2029H-7	33061037330000	
	EN-KULCZYK-154-94-2029H-6	33061037340000	
	EN-KULCZYK-154-94-2029H-8	33061037320000	
	EN-KULCZYK-154-94-2029H-9	33061037310000	
	EN-KULCZYK-154-94-2029H-10	33061037300000	
EN-Nelson/Pederson	EN-PEDERSON-LW-154-94-0408H-5	33061038420000	Attached
	EN-PEDERSON-LW-154-94-0408H-6	33061038430000	
	EN-PEDERSON-LW-154-94-0408H-7	33061038440000	
	EN-PEDERSON-LW-154-94-0408H-8	33061038450000	
EN-Skabo Trust 155-93 Central Facility	EN-SKABO TRUST-155-93-0631H-7	33061037610000	Attached
	EN-SKABO TRUST-155-93-0631H-6	33061037600000	
	EN-SKABO TRUST-155-93-0631H-5	33061037590000	
	EN-SKABO TRUST-155-93-0631H-4	33061037580000	
	EN-REHAK-LE-155-93-0718H-1	33061039290000	
EN-Vachal 155-93 MW Pad	EN-VACHAL-LW-155-93-0532H-1	33061038250000	Attached
	EN-VACHAL-155-93-0532H-9	33061038240000	
	EN-VACHAL-155-93-0532H-8	33061038230000	
	EN-VACHAL-155-93-0532H-7	33061038220000	
	EN-VACHAL-155-93-0532H-6	33061038210000	
EN-VP and R 154-94 MW Pad	EN-VP AND R-154-94-2536H-5	33061036980000	Attached
	EN-VP AND R-154-94-2536H-6	33061036990000	
	EN-VP AND R-154-94-2536H-7	33061036700000	
	EN-VP AND R-154-94-2536H-8	33061036701000	
	EN-VP AND R-154-94-2536H-9	33061040820000	
	EN-VP AND R-154-94-2536H-10	33061040830000	
	EN-VP AND R-154-94-2536H-11	33061040840000	
	EN-VP AND R-154-94-2536H-12	33061040850000	
EN-Weyrauch C 154-93 MW Pad	EN-WEYRAUCH C-154-93-2932H-10	33061034700000	Attached
	EN-WEYRAUCH C-154-93-2932H-5	33061034550000	
	EN-WEYRAUCH C-154-93-2932H-6	33061034560000	
	EN-WEYRAUCH C-154-93-2932H-7	33061034570000	
	EN-WEYRAUCH C-154-93-2932H-8	33061034580000	
	EN-WEYRAUCH C-154-93-2932H-9	33061034590000	
GO-Vinger/Bergstrom MW Pad	GO-VINGER-156-98-2116H-2	33105044490000	Attached
	GO-VINGER-156-98-2116H-3	33105044480000	
	GO-VINGER-156-98-2116H-4	33105044470000	
	GO-VINGER-156-98-2116H-5	33105044460000	
HA-Grimestad MW Pad	HA-GRIMESTAD-152-95-3031H-4	33053072520000	Attached
	HA-GRIMESTAD-152-95-3031H-5	33053072530000	
	HA-GRIMESTAD-152-95-3031H-6	33053072540000	
	HA-GRIMESTAD-LW-152-95-3031H-1	33053072550000	
	HA-GRIMESTAD-152-95-3031H-7	33053076370000	
	HA-GRIMESTAD-152-95-3031H-8	33053076380000	
	HA-GRIMESTAD-152-95-3031H-9	33053076390000	
	HA-GRIMESTAD-LE-152-95-3031H-1	33053076400000	
	HA-ROLFSRUD-152-96-1720H-10	33053075700000	
	HA-ROLFSRUD-152-96-1720H-11	33053075690000	
	HA-ROLFSRUD-152-96-1720H-8	33053075720000	
	HA-ROLFSRUD-152-96-1720H-9	33053075710000	

Facility Name	Associated Wells	API #	Fugitive Emission Survey Report
HA-Sanford/Rolfsrud Pad	HA-SANFORD-152-96-1819H-2	33053059870000	Attached
	HA-SANFORD-152-96-1819H-3	33053059880000	
	HA-SANFORD-152-96-1819H-4	33053059890000	
	HA-SANFORD-152-96-1819H-5	33053059900000	
	HA-SANFORD-LE-152-96-1819H-1	33053059910000	
HA-Sanford H6-10, LW H-1	HA-SANFORD-152-96-1819H-10	33053066440000	Attached
	HA-SANFORD-152-96-1819H-6	33053066400000	
	HA-SANFORD-152-96-1819H-7	33053066410000	
	HA-SANFORD-152-96-1819H-8	33053066420000	
	HA-SANFORD-152-96-1819H-9	33053066430000	
	HA-SANFORD-LW-152-96-1819H-1	33053066450000	
HA-State NW Pad (H5-9, LW H-1)	HA-STATE-152-95-1621H-5	33053071750000	Attached
	HA-STATE-152-95-1621H-6	33053071740000	
	HA-STATE-152-95-1621H-7	33053071730000	
	HA-STATE-152-95-1621H-8	33053071720000	
	HA-STATE-152-95-1621H-9	33053071710000	
	HA-STATE-LW-152-95-1621H-1	33053071700000	
HA-Swenson 152-95 Bakken Facility	HA-SWENSON-152-95-1819H-10	33053071240000	Attached
	HA-SWENSON-152-95-1819H-9	33053071250000	
HA-Thompson/Chapin	HA-CHAPIN-152-95-2932H-10	33053070830000	Attached
	HA-CHAPIN-152-95-2932H-6	33053070790000	
	HA-CHAPIN-152-95-2932H-7	33053070800000	
	HA-CHAPIN-152-95-2932H-8	33053070810000	
	HA-CHAPIN-152-95-2932H-9	33053070820000	
	HA-CHAPIN-152-95-2932H-9	33053070820000	
LK-Erickson/Quilliam H2-4	LK-QUILLIAM-147-97-1423H-2	33025026150000	Attached
	LK-QUILLIAM-147-97-1423H-3	33025026140000	
	LK-QUILLIAM-147-97-1423H-4	33025026130000	
SC-1WX 8-1H/H6-8	SC-1WX-152-99-0809H-6	33053078440000	Attached
	SC-1WX-152-99-0809H-7	33053078450000	
	SC-1WX-152-99-0809H-8	33053078460000	

Inspection	Inspection Start	Inspection End	Ambient Temp (F)	Wind Direction	Inspector	Inspection Type	Logged Date	Action Item Status	Completed	System	Corrections Required
OGI Inspection - AN-BRENNA/EVENSON LE	2/19/2019 11:40	2/19/2019 13:05	1	S//9	(b) (9)	OGI Inspection	2/19/2019	Confirmed and Closed	2/19/2019	Pressure Relief Devices	T15316-ENARDO PVRV VENTING FROM THE FRONT OF THE PIPE-MOV_6778ACCESSIBLE FROM THE WALKWAY
										HP Flare	HP FLARE-HP FLARE IS EMITTING BLACK SMOKE
OGI Inspection - AN-BRENNA/EVENSON LE	7/24/2019 9:35	7/24/2019 11:10	71	SE/11		OGI Inspection	7/24/2019	Confirmed and Closed	7/24/2019	Thief Hatch	T15321*-THIEF HATCH LID VENTING (VITON)-MOV_7714
											T15317-THIEF HATCH LID VENITNG (TIN COVERED)-MOV_7717
											T15315-THIEF HATCH LID & GASKET VENITNG (VITON)-MOV_7716
											T15313-THIEF HATCH LID VENTING (VITON)-MOV_7715
											T15331*-THIEF HATCH LID VENTING (VITON)-MOV_7718
OGI Inspection - AN-DINWOODIE 44-99 FAC	5/21/2019 7:55	5/21/2019 8:40	46	E/8		OGI Inspection	5/21/2019	New		HP Flare	HP FLARE-THE HP FLARE IS EMITTING BLACK SMOKE
								New		LP Flare	LP FLARE-THE LP FLARE IS EMITTING BLACK SMOKE
OGI Inspection - AN-DINWOODIE 44-99 FAC	8/14/2018 8:50	8/14/2018 9:45	55	SSE/4		OGI Inspection	8/14/2018	Confirmed and Closed	8/15/2018	Thief Hatch	T9252-Thief Hatch lid venting (Viton)-Mov_6993
											T9633*-Thief Hatch lid venting (Viton)-Mov_6996
											T9699-Thief Hatch lid venting (Viton)-Mov_6997
									8/20/2018	LP Vapor Line	T9249-LP Tank Header is venting from the threads on the back union-Mov_6992Skitch picture was uploaded
									8/15/2018	Thief Hatch	T9634*-Thief Hatch lid & gasket venting (Viton)-Mov_6994
									8/20/2018	LP Vapor Line	T9633*-LP Tank Header is venting from the right side of the T connection-Mov_6995Skitch picture was uploaded
OGI Inspection - AN-Dinwoodie/Gudbranson-153-94-2833/2215H-2,3,LWH-1/LWH-1	1/4/2019 10:45	1/4/2019 12:55	39	WSW/13		OGI Inspection	1/4/2019	Confirmed and Closed	1/4/2019	Thief Hatch	T16214- THIEF HATCH LID IS LEAKING (BUNA), MOV_0394
										Pressure Relief Devices	T16217- PVRV IS LEAKING FROM PIPE OPENING. MOV_0393
											T16221- PVRV IS LEAKING FROM PIPE OPENING. MOV_0392
OGI Inspection - AN-Dinwoodie/Gudbranson-153-94-2833/2215H-2,3,LWH-1/LWH-1	7/24/2019 8:20	7/24/2019 9:20	70	SE/9		OGI Inspection	7/24/2019	Confirmed and Closed	7/25/2019	Pressure Relief Devices	T16223-ENARDO PVRV VENTING FROM THE FRONT OF THE PIPE-MOV_7713ACCESSIBLE FROM THE WALKWAY
										Thief Hatch	T16223-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_7712
											T16211-THIEF HATCH LID VENTING (VITON)-MOV_7709
											T16217-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_7710
											T16222-THIEF HATCH LID & GSAKET VENTING (BUNA)-MOV_7711
											T16213-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_7708
OGI Inspection - AN-DINWOODIE-153-94-2833 H-4,H-5,H-6,H-7,H-8	5/21/2019 8:40	5/21/2019 9:20	51	E/13		OGI Inspection	5/21/2019	Confirmed and Closed	5/24/2019	Thief Hatch	T16501-THIEF HATCH LID VENTING. THE HATCH IS ON THE LEFT WITH WEIGHTS ATTACHED-MOV_7302SKITCH PICTURE WAS UPLOADED
OGI Inspection - AN-EVENSON-152-95 MW Pad (North 0310H-2,3,4,5)	1/2/2019 12:20	1/2/2019 13:05	28	W/15		OGI Inspection	2/19/2019	Pending		HP Flare	DUEL TIP FLARE-THE DUEL TIP FLARE IS EMITTING BLACK SMOKE
								Confirmed and Closed	5/10/2019	Pressure Relief Devices	T11015-ENARDO PVRV IS VENTING FROM THE PRESSURE SIDE GASKET-MOV_6777SKITCH PICTURE WAS UPLOADED EVENSON H4 ROW
OGI Inspection - AN-EVENSON-152-95 MW Pad (North 0310H-2,3,4,5)	7/3/2019 11:25	7/3/2019 13:05	63	ENE/6		OGI Inspection	7/3/2019	Confirmed and Closed	7/3/2019	Thief Hatch	T11012-THIEF HATCH LID VENTING (VITON)-MOV_7503
										Pressure Relief Devices	T11006*-ENARDO PVRV VENTING FROM THE FRONT OF THE PIPE-MOV_7498ACCESSIBLE FROM THE WALKWAY
											T11010*-ENARDO PVRV VENTING FROM THE FRONT OF THE PIPE-MOV_7500ACCESSIBLE FROM THE WALKWAY
										Thief Hatch	T11084-THIEF HATCH LID VENTING (VITON)-MOV_7502
											T11006*-THIEF HATCH LID VENTING (VITON)-MOV_7499
OGI Inspection - AN-Gudbranson-153-94-2215H-1,2	11/26/2018 9:35	11/26/2018 13:05	15	E/4		OGI Inspection	11/26/2018	Confirmed and Closed	11/27/2018	Thief Hatch	T16205-THIEF HATCH VENTING (LOCK-DOWN)-MOV_6523
									12/3/2018		T16199-THIEF HATCH VENTING (LOCK-DOWN)-MOV_6525
									11/27/2018		T16204-THIEF HATCH VENTING (LOCK-DOWN)-MOV_6524
									11/27/2018		T16202-THIEF HATCH VENTING (LOCK-DOWN)-MOV_6526
									11/27/2018	Pressure Relief Devices	T16208*-ENARO PVRV VENTING FROM THE FRONT OF THE PIPE-MOV_6516ACCESSIBLE FROM THE WALKWAY
									11/27/2018	Thief Hatch	T16208*-THIEF HATCH VENTING (LOCK-DOWN)-MOV_6518
									12/3/2018		T16206*-THIEF HATCH VENTING (LOCK-DOWN)-MOV_6521
									11/27/2018		T16207*-THIEF HATCH VENTING (LOCK-DOWN)-MOV_6519
OGI Inspection - AN-Gudbranson-153-94-2215H-1,2	1/2/2019 10:45	1/2/2019 12:05	28	W/10		OGI Inspection	1/4/2019	Confirmed and Closed	1/22/2019	Connectors	TK-5202*- LEAK FROM CONNECTION BETWEEN THE TANK AND EQ LINE ON THE RIGHT SIDE OF TANK. PREVIOUSLY FIXED, STILL LEAKING. MOV_0384
								New		HP Flare	HIGH PRESSURE FLARE- HP FLARE EMITTING BLACK SMOKE.
								Confirmed and Closed	1/4/2019	Pressure Relief Devices	T16208*- PVRV IS LEAKING FROM PIPE OPENING. MOV_0395
OGI Inspection - AN-Gudbranson-153-94-2215H-1,2, 3, 4, 5, 6, 7	7/22/2019 10:35	7/22/2019 13:05	75	ESE/4		OGI Inspection	7/22/2019	Confirmed and Closed	7/22/2019	Thief Hatch	T16199-THIEF HATCH VENTING (LOCK DOWN)-MOV_7689
											T16205-ENARDO PVRV VENTING FROM THE PRESSURE SIDE/TOP CANISTER GASKET-MOV_7690
									7/24/2019	Pressure Relief Devices	
									7/22/2019	Thief Hatch	T10791-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_7692
									7/29/2019	Pressure Relief Devices	T10792-ENARDO PVRV VENTING FROM THE PRESSURE SIDE/TOP CANISTER GASKET-MOV_7696MANLIFT NEEDED FOR THIS FIXSKITCH PICTURE UPLOADED
									7/24/2019	Thief Hatch	T16201-THIEF HATCH VENTING (LOCK DOWN)-MOV_7688
											T16202-THIEF HATCH VENTING (LOCK DOWN)-MOV_7687
									8/20/2019	LP Vapor Line	T9541*-LP VAPOR LINE IS VENTING FROM THE THREADS.THE LEAK IS ON THE LEFT SIDE OF THE T CONNECTION-MOV_7693SKITCH PICTURE UPLOADED
									7/24/2019	Thief Hatch	T16208*-THIEF HATCH VENTING (LOCK DOWN)-MOV_7681
											T9541*-EQ LINE IS VENTING FROM THE COLLOR.THE COLLOR WAS PREVIOUSLY FIXED, THE LEAK IS ON THE RIGHT SIDE OF THE TANK-MOV_7694
									8/20/2019	Liq EQ Line	SKITCHPICUPLOADED
									7/22/2019	Thief Hatch	T10792-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_7697
OGI Inspection - AN-Lone Tree Pad	10/30/2018 11:20	10/30/2018 12:10	43	WSW/16		OGI Inspection	10/30/2018	Confirmed and Closed	11/9/2018	Other	T16332*-ANODE TO THE RIGHT OF THE THIEF HATCH IS VENTING.THE ANODE IS ON THE BACKSIDE OF THE TANK-MOV_0261
											T16333*-ANODE TO THE RIGHT OF THE THIEF HATCH IS VENTING.THE ANODE IS ON THE BACKSIDE OF THE TANK-MOV_0262
OGI Inspection - AN-PROSSER152-95-1102H5-10	8/2/2019 7:40	8/2/2019 9:25	64	ESE/5		OGI Inspection	8/2/2019	Confirmed and Closed	8/2/2019	Thief Hatch	T15959-THIEF HATCH VENTING (TIN COVERED)-MOV_7888
OGI Inspection - BB-BUDAHN A/BUDAHN-150-95-0403H-6,7,8,9,10/0506H-6,7LSH-1	1/17/2019 11:55	1/17/2019 13:05	15	NNE/9		OGI Inspection	1/17/2019	Pending		LP Flare	LP FLARE- THE SOUTH LP FLARE IS EMITTING BLACK SMOKE (12:55 MIN/15:00), VIDEO ATTACHED
OGI Inspection - BB-BUDAHN A/BUDAHN-150-95-0403H-6,7,8,9,10/0506H-6,7LSH-1	8/2/2019 12:35	8/2/2019 14:15	82	SE/10		OGI Inspection	8/2/2019	Confirmed and Closed	8/2/2019	Thief Hatch	T15104-THIEF HATCH LID VENTING (VITON)-MOV_7898
											T15109-THIEF HATCH LID VENTING (VITON)-MOV_7902
											T15110-THIEF HATCH LID VENTING (VITON)-MOV_7903
											T15101-THIEF HATCH LID VENTING (VITON)-MOV_7900
											T15103-THIEF HATCH LID VENTING (VITON)-MOV_7899
											T15111-THIEF HATCH LID VENTING (VITON)-MOV_7904
											T15105-THIEF HATCH LID VENTING (VITON)-MOV_7896
											T15114*-THIEF HATCH LID VENTING (VITON)-MOV_7906WATER TANKS ARE NOT AVAILABLE IN SAP
											T15116*-THIEF HATCH LID VENTING (VITON)-MOV_7909WATER TANKS ARE NOT AVAILABLE IN SAP
											T15108-THIEF HATCH LID VENTING (VITON)-MOV_7901
											T15115*-THIEF HATCH LID VENTING (VITON)-MOV_7907WATER TANKS ARE NOT AVAILABLE IN SAP
											T15112-THIEF HATCH LID VENTING (VITON)-MOV_7905
											T15117*-THIEF HATCH LID VENTING (VITON)-MOV_7910WATER TANKS ARE NOT AVAILABLE IN SAP
OGI Inspection - BB-Chapin A N Pad	1/22/2019 8:40	1/22/2019 10:00	17	WNW/11		OGI Inspection	1/22/2019	Confirmed and Closed	2/15/2019	HP Flare	TRAILER MOUNT FLARE-THE TRAILER MOUNTED FLARE IS EMITTING BLACK SMOKE THIS FLARE IS NEXT TO THE DUEL TIP FLARE
									2/1/2019	Thief Hatch	T16177-(TK5007) THIEF HATCH VENTING (LOCK-DOWN)-MOV_6733
											T16485-THIEF HATCH VENTING (LOCK-DOWN)-MOV_6735THIS HATCH IS NOT IN SAP
									10/7/2019	HP Flare	DUEL TIP FLARE-THE DUEL TIP FLARE IS EMITTING BLACK SMOKE
OGI Inspection - BB-Chapin A N Pad	8/16/2018 12:50	8/16/2018 13:50	79	ESE/5		OGI Inspection	8/16/2018	Confirmed and Closed	8/16/2018	Thief Hatch	T16180*-Thief Hatch lid venting (Viton)-Mov_1421
											T16175-Thief Hatch lid venting (Viton)-Mov_1426
											T16172-Thief Hatch lid venting (Viton)-Mov_1424
											T16176-Thief Hatch lid venting (Viton)-Mov_1427
											T16181-Thief Hatch lid venting (Viton)-Mov_1420
											T16177-Thief Hatch lid venting (Viton)-Mov_1423
											T16174-Thief Hatch lid venting (Viton)-Mov_1425
OGI Inspection - BB-Chapin S Pad	6/18/2019 9:30	6/18/2019 10:45	64	SE/11		OGI Inspection	6/18/2019	Confirmed and Closed	6/21/2019	Thief Hatch	T10590*-THIEF HATCH LID VENTING (VITON)-MOV_7379

Inspection	Inspection Start	Inspection End	Ambient Temp (F)	Wind Direction	Inspector	Inspection Type	Logged Date	Action Item Status	Completed	System	Corrections Required
					(b) (9)					Pressure Relief Devices	T15791-ENAROD PVRV VENTING FROM THE FRONT OF THE PIPE-MOV_7381ACCESSIBLE FROM THE WALKWAY
										Thief Hatch	T10585*-THIEF HATCH LID VENTING (VITON)-MOV_7378
											T15794*-THIEF HATCH LID VENTING (VITON)-MOV_7380
											TREATER BUILDING: THE BOTTOM OF THE T CONNECTION ABOVE THE FUEL GAS SCRUBBER NEXT TO THE CHAPIN H-4 TREATER IS LEAKING FROM THE THREADS. THE
OGI Inspection - BB-Chapin S Pad	11/15/2018 10:50	11/15/2018 12:25	38	WNW/13		OGI Inspection	11/15/2018	Confirmed and Closed	12/3/2018	Connectors	CONNECTION IS ABOVE THE SCRUBBER AGAINST THE WALL, MOV_0379, SKITCH PICTURE ATTACHED
										Thief Hatch	T10585*- THIEF HATCH LID IS LEAKING (VITON), MOV_0378
											T10590*- THIEF HATCH LID IS LEAKING (VITON), MOV_0377
OGI Inspection - BB-EIDE-151-95-3328H-3,4,5,6,7,LE H-1	1/11/2019 8:35	1/11/2019 9:55	10	N/4		OGI Inspection	1/11/2019	Pending		HP Flare	HP FLARE- FLARE IS EMITTING BLACK SMOKE (10:54 MIN/15:00), VIDEO ATTACHED.
								Confirmed and Closed	1/11/2019	Pressure Relief Devices	T16125*- PVRV IS LEAKING FROM PIPE OPENING, MOV_0432
											T16115- PVRV IS LEAKING FROM PIPE OPENING, MOV_0431
											T16118- PVRV IS LEAKING FROM PIPE OPENING. MOV_0429
OGI Inspection - BB-EIDE-151-95-3328H-3,4,5,6,7,LE H-1	7/19/2019 9:15	7/19/2019 11:00	62	W/13		OGI Inspection	7/19/2019	Confirmed and Closed	7/19/2019	Thief Hatch	T16124*-THIEF HATCH LID VENITNG (VITON)-MOV_0035
											T16125*-THIEF HATCH LID VENTING (VITON)-MOV_0034
											T16123*-THIEF HATCH LID VENITNG (VITONO-MOV_0036
											T16126*-THIEF HATCH LID VENTING (VITONO-MOV_0033
											T16112-THIEF HATCH VENTING (TIN COVERED)-MOV_0032
OGI Inspection - BB-Federal W Pad	3/19/2019 14:20	3/19/2019 15:35	36	W/16		OGI Inspection	3/19/2019	Confirmed and Closed	4/4/2019	Other	T16142*- THE ANODE TO THE LEFT OF THE THIEF HATCH IS LEAKING, NOT ACCESSIBLE, MOV_0686
										Thief Hatch	T16136- THIEF HATCH LID IS LEAKING (LOCKDOWN), MOV_0683
										Pressure Relief Devices	T16131- PVRV IS LEAKING FROM THE PIPE OPENING, MOV_0680
										Thief Hatch	T16129- THIEF HATCH LID IS LEAKING (LOCKDOWN), MOV_0681
											T16137- THIEF HATCH LID IS LEAKING (LOCKDOWN), MOV_0682
										Flanges	T16135- THE VENT LINE FLANGE ABOVE THE HATCH IS LEAKING, MOV_0685
OGI Inspection - BB-Federal W Pad	10/29/2018 8:00	10/29/2018 9:00	45	SSE/4		OGI Inspection	10/29/2018	Confirmed and Closed	11/9/2018	Thief Hatch	T16136-Thief hatch bolts venting (Lock-Down Hatch)-Mov_6345
										Other	T16142*- The anode to the left of the thief hatch is venting, MOV_6342, skitch picture is attached.
										Pressure Relief Devices	T16140*- Enardo PVRV venting from the front of the pipe- MOV_6341Accessible from the walkway
											T16128-Enardo PVRV venting from the front of the pipe-Mov_6348Accessible from the walkway
											T16134-Enardo PVRV venting from the front of the pipe-Mov_6344Accessible from the walkway
										Other	T16438*- The anode to the left of the thief hatch is venting, MOV_6343, skitch picture attached.
										Pressure Relief Devices	T16137-Enardo PVRV venting from the front of the pipe-Mov_6347Accessible from the walkway
OGI Inspection - BB-Lars Rothie W Pad	4/4/2019 13:55	4/4/2019 14:45	60	SW/17		OGI Inspection	4/4/2019	Confirmed and Closed	4/5/2019	Thief Hatch	T16285- THIEF HATCH LID IS LEAKING (VITON), MOV_0867
											T16289- THIEF HATCH LID IS LEAKING (VITON), MOV_0866
											T16293- THIEF HATCH LID IS LEAKING (VITON), MOV_0868
											T16297*- THIEF HATCH LID IS LEAKING (VITON), MOV_0871
											T16291- THIEF HATCH LID IS LEAKING (VITON), MOV_0869
											T16296*- THIEF HATCH LID IS LEAKING (VITON), MOV_0870
OGI Inspection - BB-Lars Rothie W Pad	10/29/2018 11:40	10/29/2018 12:45	46	SSW/8		OGI Inspection	10/29/2018	Confirmed and Closed	10/29/2018	Thief Hatch	T16287- Thief hatch lid is leaking (Viton), MOV_0253
OGI Inspection - BB-OLE ANDERSON-151-95-3130H-4,5,6,7,8	1/15/2019 13:45	1/15/2019 14:40	24	NNW/15		OGI Inspection	1/15/2019	Pending		HP Flare	DUAL TIP FLARE- DUAL TIP FLARE IS EMITTING BLACK SMOKE (11:49 MIN/15:00 MIN), VIDEO ATTACHED
OGI Inspection - BB-OLE ANDERSON-151-95-3130H-4,5,6,7,8	7/19/2019 7:45	7/19/2019 9:55	60	W/8		OGI Inspection	7/19/2019	Confirmed and Closed	7/19/2019	Thief Hatch	T15851*-THIEF HATCH LID VENTING (VITON)-MOV_0030
											T15841-THIEF HATCH LID VENTING (VITON)-MOV_0021
											T15842-THIEF HATCH LID VENTING (VITON)-MOV_0020
											T15848-THIEF HATCH LID VENTING (VITON)-MOV_0026
											T15838-THIEF HATCH LID VENITNG (VITON)-MOV_0024
											T15852*-THIEF HATCH LID VENTING (VITON)-MOV_0027
											T15844-THIEF HATCH LID VENTING (VITON)-MOV_0025
											T15850*-THIEF HATCH LID VENTING (VITON)-MOV_0031
											T15840-THIEF HATCH LID VENTING (VITON)-MOV_0022
											T15839-THIEF HATCH LID VENTING (VITON)-MOV_0023
OGI Inspection - BB-Sigrid Loomer Pad	1/17/2019 8:30	1/17/2019 10:05	28	N/8		OGI Inspection	1/17/2019	Confirmed and Closed	10/7/2019	HP Flare	DUAL TIP FLARE- DUAL TIP FLARE IS EMITTING BLACK SMOKE (13:48 MIN/15:00 MIN), VIDEO ATTACHED
									1/17/2019	Thief Hatch	T16414*- THIEF HATCH LID IS LEAKING (LOCKDOWN), MOV_0452
									4/17/2019	HP Flare	DUEL TIP FLARE-THE DUEL TIP FLARE IS NOT LIT/EMITTING-MOV_6776
OGI Inspection - BB-Sigrid Loomer Pad	8/21/2018 7:15	8/21/2018 8:20	48	WSW/4		OGI Inspection	8/21/2018	Confirmed and Closed	9/20/2018	Thief Hatch	T16407- Thief Hatch Bolts/Gasket venting (Lock Down)-Mov_1501
										Pressure Relief Devices	T16404-Enardo PVRV venting from the front of the pipe-Mov_1498Accessible from the catwalk
										Other	T16418*-Anode to the left of the Thief Hatch is venting from the stem/black wire-Mov_1496Skitch picture was uploaded
OGI Inspection - BB-Sivertson SE / Federal B Pad/Lars Rothie	3/19/2019 11:45	3/19/2019 14:15	36	W/16		OGI Inspection	3/19/2019	Confirmed and Closed	4/2/2019	Other	T16261*- THE ANODE TO THE LEFT OF THE THIEF HATCH IS LEAKING, NOT ACCESSIBLE. MOV_0674
										Thief Hatch	T16261*- THIEF HATCH LID IS LEAKING (LOCKDOWN), MOV_0672
										Other	T16261*- THE ANODE TO THE RIGHT OF THE HATCH FURTHEST FROM THE CATWALK IS LEAKING, MANLIFT REQUIRED. MOV_0673
										Pressure Relief Devices	T16257- PVRV IS LEAKING FROM THE PIPE OPENING, MOV_0679
											T16106*- THE PVRV IS LEAKING FROM THE PIPE OPENING, MOV_0675
											T16101- PVRV IS LEAKING FROM THE PIPE OPENING, MOV_0677
										Thief Hatch	T16260- THIEF HATCH LID IS LEAKING (LOCKDOWN), MOV_0678
										Pressure Relief Devices	T16098- THE PVRV IS LEAKING FROM THE PIPE OPENING, MOV_0676
OGI Inspection - BB-Sivertson SE / Federal B Pad/Lars Rothie	9/6/2018 7:25	9/6/2018 9:00	53	ESE/9		OGI Inspection	9/6/2018	Confirmed and Closed	9/6/2018	Thief Hatch	T16257-Thief hatch bolts venting (Lock-Down)-Mov_5804
										Thief Hatch	T16256-Thief hatch bolts venting (Lock-Down)-Mov_5805
										Pressure Relief Devices	T16448-Enardo PVRV is venting from the vacuum side/bottom canister lid-Mov_5806Federal H7-10 BatteryAccessible from the walkway Skitch picture was uploaded
OGI Inspection - BB-Sivertson SE / Federal B Pad/Lars Rothie	9/20/2018 7:00	9/20/2018 8:30	42	ENE/8		OGI Inspection	9/20/2018	Confirmed and Closed	9/20/2018	Thief Hatch	T16251-Thief hatch bolts venting (Lock-Down Hatch)-Mov_6004
									10/18/2018	Pressure Relief Devices	T16448-Enardo PVRV is venting from the pressure side/top canister gasket-Mov_6002Skitch picture was uploaded
									9/20/2018	Thief Hatch	T16251-Enardo PVRV venting from the front of the pipe-Mov_6005Accessible from the walkway
OGI Inspection - BB-State-151-96-3625H-6-11, LW H-1	4/4/2019 13:05	4/4/2019 13:45	60	SW/18		OGI Inspection	4/4/2019	Confirmed and Closed	4/23/2019	Pressure Relief Devices	T16380- PVRV IS LEAKING FROM PIPE OPENING, MOV_0865
											LW-H-1 TREATER BUILDING- THE THREADS TO THE RIGHT OF THE RED KIMRAY ARE LEAKING. THE KIMRAY IS LOCATED TO THE LEFT OF THE TREATER AND TO THE RIGHT AND
									4/30/2019	Connectors	ABOVE THE SCRUBBER POT. IT IS LEAKING FROM THE THREADS AROUND THE NUT. MOV_0863
									4/23/2019	Pressure Relief Devices	T16374- PVRV IS LEAKING FROM PIPE OPENING, MOV_0864
OGI Inspection - BB-State-151-96-3625H-6-11, LW H-1	10/18/2018 10:00	10/18/2018 11:00	56	SW/11		OGI Inspection	10/18/2018	Confirmed and Closed	10/18/2018	Pressure Relief Devices	T16386*-Enardo PVRV venting from the front of the pipe-Mov_6299Accessible from the catwalk
OGI Inspection - BL-A IVERSON-155-96-1312H4,5,6,7,LE-H1	1/16/2019 11:50	1/16/2019 12:45	9	SE/9		OGI Inspection	1/16/2019	Confirmed and Closed	1/16/2019	Pressure Relief Devices	T16282*-ENARDO PVRV VENTING FROM THE FRONT OF THE PIPE-MOV_6724ACCESSIBLE FROM THE WALKWAY
OGI Inspection - BL-A IVERSON-155-96-1312H4,5,6,7,LE-H1	9/5/2018 10:45	9/5/2018 11:45	56	S 5-10		OGI Inspection	9/5/2018	Confirmed and Closed	9/27/2018	Transmitter	T16282* NE ANODE CENTER STEM (MANLIFT NEEDED) MOV_7168
									9/5/2018	Thief Hatch	T16282* THIEF HATCH LID (BLACK VITON BASE?) MOV_7167
											T16277 THIEF HATCH LID (BLACK VITON BASE?) MOV_7165
											T16278 THIEF HATCH BOLTS (BLACK VITON BASE?) MOV_7164
									9/27/2018	Pressure Relief Devices	T16283* ENARDO PVRV LEAK FROM GASKET BETWEEN PRESSURE AND VACUUM CANISTERS (**NON-WMF WORK**) MOV_7166
									9/5/2018	Thief Hatch	T16275 THIEF HATCH LID (WRAPPED TANK) MOV_7169
OGI Inspection - BL-DAVIDSON-155-96 MW Pad	1/17/2019 9:15	1/17/2019 10:35	10	NNE/8		OGI Inspection	1/17/2019	Confirmed and Closed	1/17/2019	Thief Hatch	T16032*-THIEF HATCH LID VENTING (VITON)-MOV_6728
											T16034*-THIEF HATCH LID VENTING (VITON)-MOV_6729
											T16028-THIEF HATCH LID VENTING (VITON)-MOV_6727
OGI Inspection - BL-DAVIDSON-155-96 MW Pad	9/6/2018 8:05	9/6/2018 9:15	57	SE 10		OGI Inspection	9/6/2018	Confirmed and Closed	9/6/2018	Thief Hatch	T16024 THIEF HATCH LID (VITON BASE) MOV_7189
											T16028 THIEF HATCH LID (VITON BASE) MOV_7195
											T16027 THIEF HATCH LID (VITON BASE) MOV_7192
											T16023 THIEF HATCH LID (VITON BASE) MOV_7188

Inspection	Inspection Start	Inspection End	Ambient Temp (F)	Wind Direction	Inspector	Inspection Type	Logged Date	Action Item Status	Completed	System	Corrections Required
					(b) (9)						T16033* THIEF HATCH LID (VITON BASE) MOV_7193
											T16025 THIEF HATCH LID (VITON BASE) MOV_7190
											T16026 THIEF HATCH LID (VITON BASE) MOV_7191
OGI Inspection - BL-IVERSON C PAD	2/28/2019 10:05	2/28/2019 11:10	6	WSW/9		OGI Inspection	2/28/2019	Confirmed and Closed	6/12/2019	HP Flare	DUAL TIP FLARE-THE DUAL TIP FLARE IS EMITTING BLACK SMOKE
									2/28/2019	Thief Hatch	T15855-THIEF HATCH LID VENTING (VITON)-MOV_6793
OGI Inspection - BL-IVERSON C PAD	9/12/2018 10:00	9/12/2018 10:50	50	SE 10-15		OGI Inspection	9/12/2018	Confirmed and Closed	9/12/2018	Thief Hatch	T15854 THIEF HATCH FRONT BOLTS (VITON BASE) MOV_7283
OGI Inspection - BW-ERLER/JOHNSON-149-99 MW Pad (East)	3/5/2019 13:05	3/5/2019 14:10	17	W/17		OGI Inspection	3/5/2019	Confirmed and Closed	4/2/2019	Pressure Relief Devices	T16012- THE PVRV IS LEAKING FROM THE BOTTOM OF THE VACUUM CANISTER. THE CANISTER HAS LIFTED OFF THE BASE. MOV_0545, SKITCH PICTURE ATTACHED
											T15999-PVRV IS LEAKING FROM THE BOTTOM OF THE VACCUM CANISTER. MOV_0542, SKITCH PICTURE ATTACHED
											T16021*- THE PVRV IS LEAKING FROM THE BOTTOM OF THE VACUUM CANISTER. THE CANISTER HAS SEPARATED FROM THE BASE. MOV_0544, SKITCH PICTURE ATTACHED
											T16009*- THE PVRV IS LEAKING FROM THE BOTTOM OF THE VACCUM CANISTER, THE CANISTER HAS LIFTED OFF THE BASE. MOV_0543, SKITCH PICTURE ATTACHED
									3/8/2019	Thief Hatch	T16015- THIEF HATCH LID IS LEAKING (VITON), MOV_0546
OGI Inspection - BW-ERLER/JOHNSON-149-99 MW Pad (East)	9/4/2018 11:40	9/4/2018 13:00	60	NNW/21		OGI Inspection	9/4/2018	Confirmed and Closed	9/6/2018	Thief Hatch	T16014-Thief hatch lid venting (Viton)-Mov_5758
											T16001-Thief hatch lid venting (Viton)_Mov_5747
											T16020*-Thief hatch lid venting (Viton)-Mov_5765
											T15999-Thief hatch lid venting (Viton)-Mov_5750
											T16018-Thief hatch lid venting (Viton)-Mov_5763
											T16019*-Thief hatch lid venting (Viton)-Mov_5764
											T16011-Thief hatch lid venting (Viton)-Mov_5761
											T16007*-Thief hatch lid venting (Viton)-Mov_5755
											T16009*-Thief hatch lid venting (Viton)-Mov_5756
									10/3/2018	Pressure Relief Devices	T16000-Enardo PVRV is venting from the pressure side/top canister gasket-Mov_5748Skitch picture was uploaded
									9/6/2018	Thief Hatch	T16012-Thief hatch lid venting (Viton)-Mov_5760
											T16010*-Thief hatch lid venting (Viton)-Mov_5757
											T16003-Thief hatch lid venting (Viton)-Mov_5745
											T16000-Thief hatch lid venting (Viton)-Mov_5749
											T16017-Thief hatch lid venting (Viton)-Mov_5762
											T16005-Thief hatch lid venting (Viton)-Mov_5752
											T16006*-Thief hatch lid venting (Viton)-Mov_5754
									9/6/2018	Pressure Relief Devices	T16006*-Enardo PVRV is venting from underneath the vacuum side/bottom canister-Mov_5753Skitch picture was uploaded
									9/6/2018	Thief Hatch	T16013-Thief hatch lid venting (Viton)-Mov_5759
											T16002-Thief hatch lid venting (Viton)-Mov_5746
OGI Inspection - BW-HEDSTROM-149-100-1201H-4,5,LWH-1	3/7/2019 8:35	3/7/2019 10:25	6	SE/11		OGI Inspection	3/7/2019	Confirmed and Closed	3/26/2019	Other	T16270*- THE ANODE ON THE LEFT SIDE OF THE PVRV, CLOSEST TO THE CATWALK IS LEAKING. NOT ACCESSIBLE. MOV_0575, SKITCH PICTURE ATTACHED
									3/7/2019	Thief Hatch	T16268- THIEF HATCH LID IS LEAKING (VITON). MOV_0577
											T16269*- THIEF HATCH LID IS LEAKING (VITON), MOV_0576
									3/26/2019	HP Flare	HP FLARE- THE HP FLARE IS NOT LIT AND IS EMITTING, MOV_0574
OGI Inspection - BW-HEDSTROM-149-100-1201H-4,5,LWH-1	9/5/2018 7:50	9/5/2018 9:05	47	E/3		OGI Inspection	9/5/2018	Confirmed and Closed	9/5/2018	Thief Hatch	T16274*-Thief hatch lid venting (Viton)-Mov_5773
											T16264-Thief hatch lid venting (Viton)-Mov_5777
											T16266-Thief hatch lid venting (Viton)-Mov_5775
											T16267-Thief hatch lid venting (Viton)-Mov_5774
											T16272*-Thief hatch lid venting (Viton)-Mov_5772
											T16265-Thief hatch lid venting (Viton)-Mov_5776
OGI Inspection - BW-R PETERSON/KRAETSCH4,5	3/5/2019 11:50	3/5/2019 12:40	16	W/14		OGI Inspection	3/5/2019	Confirmed and Closed	3/8/2019	Pressure Relief Devices	T15070- PVRV IS LEAKING FROM PIPE OPENING (ENARDO), MOV_0538
										Thief Hatch	T15074- THIEF HATCH LID IS LEAKING (VITON), MOV_0537
											T15069- THIEF HATCH LID IS LEAKING (VITON), MOV_0539
OGI Inspection - BW-R PETERSON/KRAETSCH4,5	8/29/2018 9:35	8/29/2018 10:20	54	S/7		OGI Inspection	8/29/2018	Confirmed and Closed	8/31/2018	Thief Hatch	T15070-Thief hatch lid venting (Viton)-Mov_5653
										Pressure Relief Devices	T15070-Enardo PVRV venting from the front of the pipe-Mov_5652Accessible from the walkway
OGI Inspection - CA-Anderson Smith PAD 2	5/22/2019 9:30	5/22/2019 10:10	52	NNE/18		OGI Inspection	5/22/2019	Confirmed and Closed	9/16/2019	HP Flare	DUAL TIP FLARE-THE DUAL TIP FLARE IS EMITTING BLACK SMOKE
OGI Inspection - CA-E Burdick East Pad	5/1/2019 10:10	5/1/2019 11:15	39	WNW/4		OGI Inspection	5/1/2019	Pending		HP Flare	DUAL TIP FLARE-THE DUAL TIP FLARE IS EMITTING BLACK SMOKE
								Confirmed and Closed	5/22/2019	Thief Hatch	T16491-LEFT THIEF HATCH IS VENTING FROM THE LID-MOV_7199SKITCH PICTURE WAS UPLOADED EQUIPMENT NOT AVAILABLE IN SAP
											T16490-LEFT THIEF HATCH IS VENTING FROM THE LID-MOV_7198SKITCH PICTURE WAS UPLOADED EQUIPMENT NOT AVAILABLE IN SAP
											T16489-LEFT THIEF HATCH IS VENTING FROM THE LID-MOV_7197SKITCH PICTURE WAS UPLOADED EQUIPMENT NOT AVAILABLE IN SAP
OGI Inspection - CA-Ferguson Smith/E Burdick Pad	9/24/2018 11:45	9/24/2018 12:45	46	NW 5-10		OGI Inspection	9/24/2018	Confirmed and Closed	10/8/2018	Other	VRU BUILDING - THREADS INTO WEST SIDE OF PARKER MODEL 9556-1/4 TO WEST OF 300 PSI GAUGE MOV_7375
									10/17/2018	Transmitter	T16359* ANODE 5201B (SW SIDE OF TANK - MANLIFT) MOV_7372
											T16360* ANODE 5202B (SE SIDE OF TANK - MANLIFT) MOV_7373
									10/8/2018	Other	VRU BUILDING - THREADS INTO SOUTH SIDE OF T CONNECTION BELOW PARKER MODEL 9556-1/4 (CHECK THREADS INTO VALVE ALSO) MOV_7576
									10/17/2018	Transmitter	T16361* ANODE 5203A CENTER STEM (NE SIDE OF TANK - MANLIFT) MOV_7374
									10/8/2018	Transmitter	T16359* ANODE 5201A CENTER STEM (NE SIDE OF TANK - MANLIFT NEEDED) MOV_7371
OGI Inspection - CA-FERGUSON-SMITH-155-95-3031H2-4LW1	3/1/2019 9:15	3/1/2019 10:45	7	E/3		OGI Inspection	3/1/2019	Confirmed and Closed	3/1/2019	Thief Hatch	T15819-THIEF HATCH LID VENTING (TIN COVERED)-MOV_6801
											T15834-THIEF HATCH LID VENTING (VITON)-MOV_6802
											T15823-THIEF HATCH LID VENTING (VITON)-MOV_6800
OGI Inspection - CA-FERGUSON-SMITH-155-95-3031H2-4LW1	9/26/2018 9:40	9/26/2018 10:35	38	SW 10-15		OGI Inspection	9/26/2018	Confirmed and Closed	9/26/2018	Thief Hatch	T15824 THIEF HATCH LID (VITON BASE) MOV_7398
									10/8/2018	Connectors	H2 TREATER BUILDING - LEAK FROM THREADS INTO BOTTOM OF FIRST PIPE CONNECTOR ABOVE V-2170 MOV_7401
									9/26/2018	Thief Hatch	T15819 THIEF HATCH LID (VITON BASE) MOV_7400
									10/8/2018	Connectors	H3 TREATER BUILDING - THREADS INTO BOTTOM OF FUEL GAS CONNECTOR ABOVE 'T' SW OF V-3170 BOTTOM MOV_7402
											H3 TREATER BUILDING - LEAK FROM THREADS INTO ALL 4 SIDES OF 4 WAY CONNECTOR ABOVE V-3170 MOV_7403
OGI Inspection - CA-RUSSELL SMITH-155-96-2425H-1,2,3,4,5,6,7	3/1/2019 8:05	3/1/2019 9:05	6	NE/4		OGI Inspection	3/1/2019	Pending		HP Flare	DUAL TIP FLARE-THE DUAL TIP FLARE IS EMITTING BLACK SMOKE
OGI Inspection - CA-RUSSELL SMITH-155-96-2425H-1,2,3,4,5,6,7	9/5/2018 12:25	9/5/2018 13:20	56	SE 5-10		OGI Inspection	9/5/2018	Confirmed and Closed	9/5/2018	Thief Hatch	T16044* THIEF HATCH LID (VITON BASE) MOV_7177
											T16038 THIEF HATCH BOLTS (VITON BASE) MOV_7176
											T16040 THIEF HATCH LID (VITON BASE) MOV_7181
											T16041 THIEF HATCH LID (VITON BASE) MOV_7179
											T16039 THIEF HATCH LID (VITON BASE) MOV_7175
										Pressure Relief Devices	T16040 ENARDO PVRV ALLOWING CONTINUOUS VENTING VIA VENT PIPE (ACCESSIBLE) MOV_7174
OGI Inspection - CA-STANGELAND-155-95-2128H-1,2,8,9,10	3/1/2019 10:55	3/1/2019 11:55	10	NE/5		OGI Inspection	3/1/2019	Pending		HP Flare	DUAL TIP FLARE-DUAL TIP FLARE EMITTING BLACK SMOKE
								Confirmed and Closed	3/1/2019	Thief Hatch	TK5003-THIEF HATCH LID & GASKET VENTING (VITON)-MOV_6806
OGI Inspection - CA-STANGELAND-155-95-2128H-1,2,8,9,10	12/7/2018 7:55	12/7/2018 9:20	5	SW/6		OGI Inspection	12/7/2018	Confirmed and Closed	12/10/2018	Thief Hatch	TK5002-THIEF HATCH LID VENTING (VITON)-MOV_6584
OGI Inspection - CA-STANGELAND-155-95-2128H-1,2,8,9,10	9/24/2018 12:55	9/24/2018 13:50	49	NW 5-10		OGI Inspection	9/24/2018	Confirmed and Closed	9/24/2018	Thief Hatch	T9657* THIEF HATCH LID (VITON BASE) MOV_7380
											TK5005 THIEF HATCH LID AND BASE BOLTS (VITON BASE) MOV_7377
									10/15/2018	Tank Plug	T9661* TOP BLIND FLANGE PIPE THREADS INTO THREADED ADAPTER MOV_7381
									9/24/2018	Thief Hatch	T9721 THIEF HATCH LID (VITON BASE) MOV_7378
									10/15/2018	Liq EQ Line	T9657* LIQ EQ LINE INTO SW SIDE OF TANK MOV_7379
OGI Inspection - EN-CVANCARA-155-93-1522H-5,6,7,8,9,10,LEH-1,2	1/4/2019 13:05	1/4/2019 15:05	40	WSW/13		OGI Inspection	1/4/2019	Confirmed and Closed	1/4/2019	Thief Hatch	T15553-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_6667
											T15555-THIEF HATCH LID VENTING (VITON)-MOV_6663
											T15552-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_6668
											T15554-THIEF HATCH LID VENTING (VITON)-MOV_6664
									2/14/2019	LP Flare	LP FLARE-THE LP FLARE CLOSEST TO THE TREATER BUILDINGS IS EMITTING BLACK SMOKE

Inspection	Inspection Start	Inspection End	Ambient Temp (F)	Wind Direction	Inspector	Inspection Type	Logged Date	Action Item Status	Completed	System	Corrections Required
					(b) (9)						LP FLARE-THE LP FLARE FURTHEST FROM THE TRATER BUILDINGS IS EMITTING BLACK SMOKE
											HP FLARE-THE HP FLARE IS EMITTING BLACK SMOKE
OGI Inspection - EN-CVANCARA-155-93-1522H-5,6,7,8,9,10,LEH-1,2	7/8/2019 11:05	7/8/2019 12:35	78	SSE/6		OGI Inspection	7/8/2019	Confirmed and Closed	7/10/2019	Thief Hatch	T15546-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_7551
											T15561*-THIEF HATCH LID VENTING (VITON)-MOV_7544
											T15550-THIEF HATCH LID VENTING (VITON)-MOV_7549
											T15557*-THIEF HATCH LID VENTING (VITON)-MOV_7547
											T15558*-THIEF HATCH LID VENTING (VITON)-MOV_7546
											T15545-THIEF HATCH LID VENTING (VITON)-MOV_7552
										Pressure Relief Devices	T15546-ENARDO PVRV VENTING FROM THE FRONT OF THE PIPE-MOV_7550ACCESSIBLE FROM THE WALKWAY
										Thief Hatch	T15560*-THIEF HATCH LID VENTING (VITON)-MOV_7545
										Pressure Relief Devices	T15552-ENARDO PVRV VENTING FROM THE FRONT OF THE PIPE-MOV_7548ACCESSIBLE FROM THE WALKWAY
OGI Inspection - EN-Dobrovolny A South Pad	5/1/2019 13:30	5/1/2019 14:50	42	SW/4		OGI Inspection	5/1/2019	Confirmed and Closed	5/6/2019	Pressure Relief Devices	T15290-ENARDO PVRV IS VENTING FROM THE VACUUM SIDE CANISTER LID-MOV_7202SKITCH PICTURE WAS UPLOADED
											T15297-ENARDO PVRV IS VENTING FROM THE VACUUM SIDE CANISTER LID-MOV_7203SKITCH PICTURE WAS UPLOADED
								Pending		HP Flare	DUAL TIP FLARE-THE DUAL TIP FLARE IS EMITTING BLACK SMOKE
								Confirmed and Closed	5/6/2019	Pressure Relief Devices	T15300*-ENARDO PVRV VENTING FROM THE FRONT OF THE PIPE-MOV_7204ACCESSIBLE FROM THE WALKWAY
OGI Inspection - EN-Farhart Pad	1/11/2019 8:05	1/11/2019 9:05	2	NNE/5		OGI Inspection	1/11/2019	Confirmed and Closed	2/7/2019	LP Flare	LP FLARE-THE LP FLARE FURTHEST FROM THE TREATER BUILDINGS IS NOT LIT/EMITTING-MOV_6703SKITCH PICTURE WAS UPLOADED
											LP FLARE-THE LP FLARE CLOSEST TO THE TREATER BUILDINGS IS NOT LIT/EMITTING-MOV_6769
OGI Inspection - EN-Farhart Pad	8/14/2018 12:45	8/14/2018 13:55	69	S 5-10		OGI Inspection	8/14/2018	Confirmed and Closed	9/7/2018	Transmitter	T15405* NE ANODE CENTER STEM (MANLIFT NEEDED) MOV_6846
									8/30/2018	Thief Hatch	T15404* THIEF HATCH BOLTS (VITON BASE) MOV_6840
											T15403* THIEF HATCH LID (VITON BASE) MOV_6836
											T15402 THIEF HATCH FRONT BOLTS (VITON BASE) MOV_6835
											T15399 THIEF HATCH LID (VITON BASE) MOV_6843
									9/7/2018	Transmitter	T15404* SW ANODE CENTER STEM (CHECK ANODE/MANLIFT NEEDED) MOV_6841
									8/30/2018	Thief Hatch	T15401 THIEF HATCH LID (VITON BASE) MOV_6833
											T15395 THIEF HATCH LID (VITON BASE) MOV_6834
											T15405* THIEF HATCH LID (VITON BASE) MOV_6845
											T15398 THIEF HATCH LID (VITON BASE) MOV_6839
									9/7/2018	Transmitter	T15403* SW ANODE CENTER STEM (CHECK ANODE/MANLIFT NEEDED) MOV_6837
									8/30/2018	Pressure Relief Devices	T15398 ENARDO PVRV LEAK FROM UNDERSIDE OF VACUUM CANISTER (ACCESSIBLE) MOV_6838
OGI Inspection - EN-Farhart Pad	8/14/2018 12:45	8/14/2018 13:55	69	S 5-10		OGI Inspection	8/14/2018	Confirmed and Closed	9/7/2018	Valves	H-2 TREATER BUILDING - VALVE PACKING ON VALVE ABOVE FUEL GAS SCRUBBER/BELOW 30 PSI GAUGE (NO TAGS) MOV_6847
OGI Inspection - EN-FREDA/LEO	3/25/2019 8:05	3/25/2019 10:30	26	ESE/8		OGI Inspection	3/25/2019	Confirmed and Closed	3/25/2019	Inline Pressure Relief Device	T10735*-IN-LINE ENARDO PVR IS VENTING FROM THE CANISTER LID-MOV_6885SKITCH PICTURE WAS UPLOADED
									4/8/2019	LP Flare	LP FLARE-THE LP FLARE FURTHEST FROM THE HP FLARE ON THE NORTH SIDE BATTERY (36 TANKS) IS NOT LIT/EMITTING-MOV_6884SKITCH PICTURE WAS UPLOADED
OGI Inspection - EN-JEFFREY/JEFFREY A-155-94-2215H-1,2,3,4,5,6,7,8,9/2734H-1,2,3,4,5	5/30/2019 11:30	5/30/2019 13:00	79	W/11		OGI Inspection	5/30/2019	New		HP Flare	DUAL TIP FLARE-THE DUAL TIP FLARE IS EMITTING BLACK SMOKE
											EN JOHNSON H1-6 PIP TREATER BLD-GRAY VALVE NEAR THE REAR DOOR IS VENTING FROM WHAT APPEARS TO BE A FILTER LOCATED ON TGE SIDE OF TGE VALVE. THE VALVE HAS A LABEL THAT READS PCV514, TGE VALVE IS LOCATED NEAR A PRESSURE GAUGE ON THE PIPE & DIRECTLY BEHIND THE BYPASS LINE-MOV_6830
OGI Inspection - EN-Johnson 56-101 Bakken Facility	3/11/2019 11:00	3/11/2019 12:00	8	SSE/5		OGI Inspection	3/11/2019	Confirmed and Closed	4/4/2019	Other	SKITCH PICTURE WAS UPLOADED
										HP Flare	DUAL TIP FLARE-THE DUAL TIP FLARE IS EMITTING BLACK SMOKE
OGI Inspection - EN-Johnson 56-101 Bakken Facility	7/11/2019 9:45	7/11/2019 10:50	70	S/8		OGI Inspection	7/11/2019	Confirmed and Closed	7/11/2019	Thief Hatch	TK5201*-THIEF HATCH LID VENTING (VITON)-MOV_7602
											TK5202*-THIEF HATCH LID VENTING (VITON)-MOV_7603
											TK5203*-THIEF HATCH LID VENTING (VITON)-MOV_7604
											TK5005-THIEF HATCH LID VENTING (VITON)-MOV_7605
OGI Inspection - EN-KMJ URAN-154-93-2734H-5,6,7,8,9,10,11,LWH-1,2733 LWH-2	1/3/2019 10:55	1/3/2019 11:30	34	W/16		OGI Inspection	1/3/2019	Pending		HP Flare	HP FLARE-HP FALRE EMITTING BLACK SMOKE
OGI Inspection - EN-KMJ URAN-154-93-2734H-5,6,7,8,9,10,11,LWH-1,2733 LWH-2	7/8/2019 7:40	7/8/2019 10:10	67	S/4		OGI Inspection	7/8/2019	Confirmed and Closed	7/8/2019	Thief Hatch	T11339*-THIEF HATCH LID VENTING (VITON)-MOV_7517H7 ROW
											T11364-THIEF HATCH LID VENTING (VITON)-MOV_7512H9 ROW
											T11329-THIEF HATCH LID VENTING (VITON)-MOV_7520H6 ROW
											T11330-THIEF HATCH LID VENTING (VITON)-MOV_7521H6 ROW
											T11336-THIEF HATCH LID VENTING (VITON)-MOV_7519H7 ROW
											T11362-THIEF HATCH LID VENTING (VITON)-MOV_7514H9 ROW
											T11324-THIEF HATCH LID VENTING (VITON)-MOV_7523H5 ROW
											T11359*-THIEF HATCH LID VENTING (VITON)-MOV_7516H8 ROW
											T11365*-THIEF HATCH LID VENTING (VITON)-MOV_7511H9 ROW
											T11321*-THIEF HATCH LID VENTING (VITON)-MOV_7522H5 ROW
											T11341-THIEF HATCH LID VENTING (VITON)-MOV_7515H8 ROW
											T11363-THIEF HATCH LID VENTING (VITON)-MOV_7518H9 ROW
											T11337-THIEF HATCH LID VENTING (VITON)-MOV_7518H7 ROW
OGI Inspection - EN-L CVANCARA-155-93-2627H-2,3,4,6,7,8,9,10	1/4/2019 7:55	1/4/2019 9:15	33	W/15		OGI Inspection	1/4/2019	Confirmed and Closed	1/4/2019	Thief Hatch	T15060-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_6652
											T11380*-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_6653
											T15054-THIEF HATCH LID & GASKET VENTING (VITON)-MOV_6650
											T15061-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_6651
										Pressure Relief Devices	T15055-ENARDO PVRV VENTING FROM THE FRONT OF THE PIPE-MOV_6649ACCESSIBLE FROM THE WALKWAY
OGI Inspection - EN-L CVANCARA-155-93-2627H-2,3,4,6,7,8,9,10	7/2/2019 10:50	7/2/2019 11:55	57	N/19		OGI Inspection	7/2/2019	Confirmed and Closed	7/8/2019	Thief Hatch	T15052-THIEF HATCH GASKET VENTING (VITON)-MOV_7491
											T15055-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_7490
											T15056-THIEF HATCH LID VENTING (VITON)-MOV_7489
											T15058-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_7492
OGI Inspection - EN-Leo E-154-94-2423H-4-12	1/2/2019 7:45	1/2/2019 10:00	18	W/10		OGI Inspection	1/2/2019	Confirmed and Closed	1/2/2019	Thief Hatch	T15735-THIEF HATCH LID VENTING (TIN COVERED)-MOV_6618
								Pending		HP Flare	DUEL TIP FLARE-THE DUEL TIP FLARE IS EMITTING BLACK SMOKE
								Confirmed and Closed	1/2/2019	Thief Hatch	T15744-THIEF HATCH LID VENTING (VITON)-MOV_6617
										Pressure Relief Devices	T15738-ENARDO PVRV VENTING FROM THE FRONT OF THE PIPE-MOV_6619ACCESSIBLE FROM THE WALKWAY
OGI Inspection - EN-Leo E-154-94-2423H-4-12	7/1/2019 11:10	7/1/2019 12:55	70	SSE/10		OGI Inspection	7/1/2019	Confirmed and Closed	7/30/2019	Thief Hatch	T15749*-THIEF HATCH LID VENTING (VITON)-MOV_7457
											T15743-THIEF HATCH LID VENTING (VITON0-MOV_7451
											T15741-THIEF HATCH LID VENTING (VITON)-MOV_7453
											T15742-THIEF HATCH LID VENTING (VITON)-MOV_7452
											T15748*-THIEF HATCH LID VENTING (VITON)-MOV_7456
											T15752*-THIEF HATCH LID VENTING (VITON0-MOV_7459
											T15744-THIEF HATCH LID VENTING (VITON)-MOV_7450
											T15750*-THIEF HATCH LID VENTING (VITON)-MOV_7458
											T15746-THIEF HATCH LID VENTING (VITON)-MOV_7449
											T15736-THIEF HATCH LID VENTING (VITON0-MOV_7454
											T15740-THIEF HATCH LID VENTING (VITON)-MOV_7455
OGI Inspection - EN-MADISYN LE CENTRAL FACILITY	1/25/2019 9:30	1/25/2019 10:40	-4	E/3		OGI Inspection	1/25/2019	Confirmed and Closed	1/25/2019	Thief Hatch	T16315-THIEF HATCH LID VENTING (VITON)-MOV_6759
								Pending		HP Flare	DUEL TIP FLARE-THE DUEL TIP FLARE IS EMITTING BLACK SMOKE
								Confirmed and Closed	1/25/2019	Thief Hatch	T16320*-THIEF HATCH LID VENTING (VITON)-MOV_6760
OGI Inspection - EN-NELSON/PEDERSON-LW-155-94-3328H	7/22/2019 10:50	7/22/2019 14:05	75	SE 5		OGI Inspection	7/22/2019	Confirmed and Closed	7/24/2019	Thief Hatch	T15247* THIEF HATCH LID (VITON BASE) MOV_0054
								Confirmed and Closed	8/20/2019	Transmitter	T15250* SW ANODE CENTER STEM (NOT ACCESSIBLE FROM WALKWAY) MOV_0058
								Confirmed and Closed	7/24/2019	Thief Hatch	T11030* THIEF HATCH LID (VITON BASE) MOV_0022

Inspection	Inspection Start	Inspection End	Ambient Temp (F)	Wind Direction	Inspector	Inspection Type	Logged Date	Action Item Status	Completed	System	Corrections Required
								Confirmed and Closed	7/24/2019	Pressure Relief Devices	T11031 ENARDO PVRV LEAK FROM UNDERSIDE OF VACUUM CANISTER (ACCESSIBLE) MOV_0026
											T10924 ENARDO PVRV LEAK FROM UNDERSIDE OF VACUUM CANISTER (ACCESSIBLE) MOV_0039
											T10929* IN LINE ENARDO PRV LEAK FROM CANISTER LID (ACCESSIBLE) MOV_0033
								Confirmed and Closed	7/24/2019	Thief Hatch	T10931* THIEF HATCH LID (VITON BASE) MOV_0031
								Confirmed and Closed	7/24/2019	Pressure Relief Devices	T11026 ENARDO PVRV ALLOWING CONTINUOUS VENTING VIA VENT PIPE (ACCESSIBLE) MOV_0027
								Confirmed and Closed	7/24/2019	Thief Hatch	T11028 THIEF HATCH LID (VITON BASE) MOV_0029
											T15250* THIEF HATCH LID (VITON BASE) MOV_0059
											T15239 THIEF HATCH LID (VITON BASE) MOV_0050
								Confirmed and Closed	7/24/2019	Pressure Relief Devices	T11029* ENARDO PVRV LEAK FROM UNDERSIDE OF VACUUM CANISTER (ACCESSIBLE) MOV_0024
								Confirmed and Closed	7/24/2019	Thief Hatch	T15246 THIEF HATCH BASE BOLTS (VITON BASE) MOV_0053
								Confirmed and Closed	7/24/2019	Pressure Relief Devices	T15236* ENARDO PVRV LEAK FROM VACUUM CANISTER LID MOV_0044
											T15251 ENARDO PVRV LEAK FROM UNDERSIDE OF VACUUM CANISTER MOV_0061
								Confirmed and Closed	8/20/2019	Connectors	EN-NELSON H-5 TREATER BUILDING - PIPE CONNECTION LEAK DIRECTLY BEHIND 3 PHASE EMULSION LINE MOV_0062
								Confirmed and Closed	7/24/2019	Thief Hatch	T11026 THIEF HATCH LID (VITON BASE) MOV_0028
											T15249* THIEF HATCH LID (BUNA BASE) MOV_0057
											T15241* THIEF HATCH LID (VITON BASE) MOV_0041
											T15242* THIEF HATCH FRONT BOLT (VITON BASE) MOV_0045
								Confirmed and Closed	7/24/2019	Pressure Relief Devices	T11030* IN-LINE ENARDO LEAK FROM CANISTER LID (ACCESSIBLE) MOV_0023
								Confirmed and Closed	7/24/2019	Thief Hatch	T15238 THIEF HATCH FRONT BASE BOLT (VITON BASE) MOV_0048
											T15248* NE ANODE CENTER STEM (NOT ACCESSIBLE FROM WALKWAY) MOV_0056
								Confirmed and Closed	9/3/2019	Transmitter	8/20/2019 UPDATE: APPEARS WRONG ANODE ON TANK WAS FIXED - CEMENT ON SW ANODE, BUT NE ANODE NOT ATTEMPTED
								Confirmed and Closed	7/24/2019	Pressure Relief Devices	T10931* IN LINE ENARDO LEAK FROM CANISTER LID (ACCESSIBLE) MOV_0030
											T15236* ENARDO PVRV ALLOWING CONTINUOUS VENTING VIA VENT PIPE (ACCESSIBLE) MOV_0042
								Confirmed and Closed	7/24/2019	Thief Hatch	T15245 THIEF HATCH LID (VITON BASE) MOV_0051
								Confirmed and Closed	7/24/2019	Pressure Relief Devices	T15251 ENARDO PVRV ALLOWING CONTINUOUS VENTING VIA VENT PIPE (ACCESSIBLE) MOV_0060
											T15236* ENARDO PVRV LEAK FROM UNDERSIDE OF VACUUM CANISTER MOV_0043
								Confirmed and Closed	7/24/2019	Thief Hatch	T15236* THIEF HATCH LID (VITON BASE) MOV_0046
								Confirmed and Closed	7/24/2019	Pressure Relief Devices	T10932* ENARDO PVRV LEAK FROM UNDERSIDE OF VACUUM CANISTER MOV_0035
								Confirmed and Closed	7/24/2019	Thief Hatch	T15237 THIEF HATCH LID (VITON BASE) MOV_0047
											T15240 THIEF HATCH LID (VITON BASE) MOV_0052
											T10933 THIEF HATCH LID (VITON BASE) MOV_0040
								Confirmed and Closed	7/24/2019	Pressure Relief Devices	T15248* ENARDO PVRV ALLOWING CONTINUOUS VENTING VIA VENT PIPE (ACCESSIBLE) MOV_0055
								Confirmed and Closed	7/24/2019	Thief Hatch	T10929* THIEF HATCH LID (VITON BASE) MOV_0034
								Confirmed and Closed	7/24/2019	Pressure Relief Devices	T10932* ENARDO PVRV ALLOWING CONTINUOUS VENTING VIA VENT PIPE (ACCESSIBLE) MOV_0036
											T15239 ENARDO PVRV ALLOWING CONTINUOUS VENTING VIA VENT PIPE (ACCESSIBLE) MOV_0049
OGI Inspection - EN-NELSON/PEDERSON-LW-155-94-3328H-2,3,4,5/0408H-1,2,3,4,5,6,7	1/9/2019 8:10	1/9/2019 10:00	3	E/4	Larry Mitchell	OGI Inspection	1/9/2019	Confirmed and Closed	1/23/2019	Thief Hatch	T10923-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_6674
								Confirmed and Closed	1/23/2019	Pressure Relief Devices	T15248*-ENARDO PVRV VENTING FROM THE FRONT OF THE PIPE-MOV_6679ACCESSIBLE FROM THE WALKWAY
								Pending		HP Flare	HP FLARE-THE HP FLARE IS EMITTING BLACK SMOKE
								Confirmed and Closed	1/23/2019	Thief Hatch	T15238-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_6676
											T11031-THIEF HATCH LID & GASKET VENTING (GASKET CANNOT BE SEEN)-MOV_6673
											T15237-THIEF HATCH LID VENTING (VITON)-MOV_6677
											T15239-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_6675
											T15246-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_6678
OGI Inspection - EN-SKABO TRUST-155-93-0631H-1,2,3,4,5,6,7	1/7/2019 10:10	1/7/2019 11:00	28	WSW/13	Larry Mitchell	OGI Inspection	1/7/2019	Pending		HP Flare	DUEL TIP FLARE-THE DUEL TIP FLARE IS EMITTING BLACK SMOKE
OGI Inspection - EN-Sorenson A/B 2 Pad	10/15/2018 8:10	10/15/2018 9:20	28	SW 10	Eric Burns	OGI Inspection	10/15/2018	Confirmed and Closed	10/15/2018	Thief Hatch	T15976 THIEF HATCH BASE BOLTS (VITON BASE) MOV_7583
								Confirmed and Closed	10/16/2018	HP Flare	DUAL-TIP FLARE EMITTING, NOT LIT, NOT ZAPPING. ALERTED AWT. MOV_7584
OGI Inspection - EN-Sorenson A/B 2 Pad	2/20/2019 10:45	2/20/2019 11:50	5	E/5	Larry Mitchell	OGI Inspection	2/20/2019	Pending		HP Flare	DUEL TIP FLARE-THE DUEL TIP FLARE IS EMITTING BLACK SMOKE
											TK5202*-EQ LINE ON THE RIGHT SIDE IF THE TANK IS VENTING FROM THE COLLOR & THREADS RUNNING INTO THE TANK (PREVIOUSLY FIXED)-MOV_6862
OGI Inspection - EN-SORENSON A/SORENSON B-155-94-0211H-1,2,3,4,5,6/3526H-1,2	3/21/2019 10:45	3/21/2019 12:15	37	NNW/5	Larry Mitchell	OGI Inspection	3/21/2019	Confirmed and Closed	5/13/2019	Liq EQ Line	SKITCH PICTURE WAS UPLOADED
								Pending		HP Flare	DUAL TIP FLARE-THE DUAL TIP FLARE IS EMITTING BLACK SMOKE
								Confirmed and Closed	3/21/2019	Thief Hatch	T9605-THIEF HATCH VENTING FROM THE GASKET (BUNA)-MOV_6861
OGI Inspection - EN-SORENSON A/SORENSON B-155-94-0211H-1,2,3,4,5,6/3526H-1,2	7/22/2019 7:45	7/22/2019 10:00	66	CALM	Eric Burns	OGI Inspection	7/22/2019	Confirmed and Closed	8/15/2019	Transmitter	T9596* SW ANODE CENTER STEM MOV_0005
									7/22/2019	Pressure Relief Devices	T9605 ENARDO PVRV VENTING VIA VENT PIPE (ACCESSIBLE) MOV_0008
									7/22/2019	Thief Hatch	T9610* THIEF HATCH LID (VITON BASE) MOV_0007
											T9602 THIEF HATCH LID (TEFLON BASE?) MOV_0009
											T9600 THIEF HATCH LID (VITON BASE) MOV_0010
									8/15/2019	Other	BULK TREATER BUILDING - GAS SCRUBBER V-6210 LEAK FROM 200 PSI GAUGE THREADS MOV_0013
									8/15/2019	Transmitter	T9610* SW ANODE CENTER STEM (ACCESSIBLE) MOV_0006
									8/15/2019	Liq EQ Line	TK5202 (OUT OF SERVICE) LEAK FROM BENEATH PREVIOUS EQ COLLAR REPAIR - SE SIDE OF TANK (ALL AROUND COLLAR) MOV_0002
									8/15/2019	Connectors	BULK TREATER BUILDING - PIPE CONNECTION JUST WEST OF PCV6216 (SW CORNER OF BUILDING) MOV_0011
									7/22/2019	Thief Hatch	T9597* THIEF HATCH LID (VITON BASE) MOV_0003
											T9596* THIEF HATCH LID (VITON BASE) MOV_0004
									8/15/2019	Other	WELLHEAD - EN SORENSON B 3526H-2 POLLUTION POT MOV_0014
									8/15/2019	Connectors	BULK TREATER BUILDING - PIPE CONNECTION JUST EAST OF PCV6214 MOV_0012
OGI Inspection - EN-SOUTH HORST 50-93	1/3/2019 11:30	1/3/2019 13:05	34	WSW/17	Larry Mitchell	OGI Inspection	1/3/2019	Confirmed and Closed	1/3/2019	Thief Hatch	T16168*-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_6645
									4/15/2019	HP Flare	DUEL TIP FLARE-THE DUEL TIP FLARE IS EMITTING BLACK SMOKE
OGI Inspection - EN-SOUTH HORST 50-93	8/10/2018 9:15	8/10/2018 9:40	73	E 0-5	Eric Burns	OGI Inspection	8/10/2018	Confirmed and Closed	8/13/2018	Pressure Relief Devices	T8915 ENARDO PVRV ALLOWING CONTINUOUS VENTING VIA END OF VENT PIPE (ACCESSIBLE) MOV_6767
								New		HP Flare	BOTH AIR ASSIST HP FLARES SEEM TO BE OPERATING INEFFICIENTLY. LOADED PLAIN VISUAL MOVIE, IN ADDITION TO GAS MOVIE FOR COMPARISON. MOV_6768 AND 6770
OGI Inspection - EN-VP AND R Pad	1/2/2019 12:00	1/2/2019 13:10	27	W/12	Larry Mitchell	OGI Inspection	1/2/2019	Confirmed and Closed	2/14/2019	HP Flare	TRAILER MOUNT FLARE-THE TRAILER MOUNTED FLARE IS EMITTING BLACK SMOKE
								Pending		HP Flare	DUEL TIP FLARE-THE DUEL TIP FLARE IS EMITTING BLACK SMOKE
								Confirmed and Closed	1/2/2019	Thief Hatch	T15502-THIEF HATCH VENTING (LOCK-DOWN)-MOV_6632
OGI Inspection - EN-WEYRAUCH A/WEYRAUCH C-154-93-2017H-1,2/2932H-1,5,6,7,8,9,1	2/20/2019 12:10	2/20/2019 13:05	6	SSE/4	Larry Mitchell	OGI Inspection	2/20/2019	Confirmed and Closed	2/20/2019	Thief Hatch	T15995*-THIEF HATCH VENTING (LOCK-DOWN)-MOV_6781
								Pending		HP Flare	DUAL TIP FLARE-THE DUAL TIP FLARE IS EMITTING BLACK SMOKE
OGI Inspection - GO-Vinger/Bergstrom	4/9/2019 9:30	4/9/2019 10:45	35	E/14	Larry Mitchell	OGI Inspection	4/9/2019	Confirmed and Closed	10/11/2019	HP Flare	DUAL TIP FLARE-THE DUAL TIP FLARE IS EMITTING BLACK SMOKE
OGI Inspection - HA-GRIMESTAD-152-95-3031H4-6,LWH-1	1/22/2019 11:20	1/22/2019 12:30	20	W/11	Larry Mitchell	OGI Inspection	1/22/2019	Confirmed and Closed	1/22/2019	Pressure Relief Devices	T16077*-ENARDO PVRV VENTING FROM THE FRONT OF THE PIPE-MOV_6737ACCESSIBLE FROM THE WALKWAY
								Confirmed and Closed	1/22/2019	Thief Hatch	T16195*-THIEF HATCH VENTING (LOCK-DOWN)-MOV_6738
								Pending		HP Flare	DUEL TIP FLARE-THE DUEL TIP FLARE IS EMITTING BLACK SMOKE
								Confirmed and Closed	1/22/2019	Thief Hatch	T16196*-THIEF HATCH VENTING (LOCK-DOWN)-MOV_6739
OGI Inspection - HA-GRIMESTAD-152-95-3031H4-6,LWH-1	8/1/2019 10:50	8/1/2019 12:15	79	ESE/10	Larry Mitchell	OGI Inspection	8/1/2019	Confirmed and Closed	8/27/2019	Connectors	T16195*-ANODE ON THE RIGHT SIDE OF THE THIEF HATCH IS VENTING-MOV_7883SKITCH PICTURE UPLOADED
											T16195*-ANODE ON THE LEFT SIDE OF THE THIEF HATCH IS VENTING-MOV_7884SKITCH PICTURE UPLOADED
									8/1/2019	Pressure Relief Devices	T16075-ENARDO PVRV VENTING FROM THE FRONT OF THE PIPE-MOV_7882ACCESSIBLE FROM THE WALKWAY
OGI Inspection - HA-GRIMESTAD-152-95-3031H4-6,LWH-1	8/16/2018 10:50	8/16/2018 12:10	76	W/8	Larry Mitchell	OGI Inspection	8/16/2018	Confirmed and Closed	8/16/2018	Pressure Relief Devices	T16070-Enardo PVRV is venting from the front of the pipe-Mov_1415

Inspection	Inspection Start	Inspection End	Ambient Temp (F)	Wind Direction	Inspector	Inspection Type	Logged Date	Action Item Status	Completed	System	Corrections Required
										Thief Hatch	T16067-Thief Hatch Bolts Venting (Viton)-Mov_1414
OGI Inspection - HA-Sanford / Rolfsrud Pad	4/3/2019 16:30	4/3/2019 17:30	51	SE/17	(b) (9)	OGI Inspection	4/3/2019	Confirmed and Closed	4/4/2019	Pressure Relief Devices	T15922- PVRV IS LEAKING FROM PIPE OPENING, MOV_0842
											T15916- PVRV IS LEAKING FROM PIPE OPENING, MOV_0841
											T15927*- PVRV IS LEAKING FROM THE PIPE OPENING, MOV_0844
										Thief Hatch	T16090*- THIEF HATCH LID IS LEAKING (VITON), MOV_0847
											T15933*- THIEF HATCH LID IS LEAKING (VITON), MOV_0843
											T16084- THIEF HATCH LID IS LEAKING (VITON), MOV_0846
											T15926*- THIEF HATCH LID IS LEAKING (VITON), MOV_0845
OGI Inspection - HA-Sanford / Rolfsrud Pad	10/23/2018 12:20	10/23/2018 14:05	51	SE/18		OGI Inspection	10/23/2018	Confirmed and Closed	10/30/2018	Other	T16090*-Anode to the left of the Thief Hatch is venting-Mov_6338Skitch picture is attached
OGI Inspection - HA-SANFORD-152-96-1819H6-10,LWH-1	1/9/2019 11:10	1/9/2019 12:55	4	ESE/6		OGI Inspection	1/9/2019	Pending		HP Flare	DUAL TIP FLARE- DUAL TIP FLARE IS EMITTING BLACK SMOKE, VIDEO ATTACHED
											H-7 TREATER BUILDING- CONNECTIONS ON BOTH SIDES OF THE BLACK HEAT TRANSFER PASTE ARE LEAKING. THIS IS ABOVE AND TO THE RIGHT OF THE FUEL GAS SCRUBBER
								Confirmed and Closed	1/22/2019	Connectors	AND TO THE LEFT OF THE TREATER. MOV_0416, SKITCH PICTURE ATTACHED
									1/9/2019	Pressure Relief Devices	T16051- PVRV IS LEAKING FROM PIPE OPENING, MOV_0414
										Pressure Relief Devices	T16057*- PVRV IS LEAKING FROM VACCUM CANISTER, MOV_0415
OGI Inspection - HA-SANFORD-152-96-1819H6-10,LWH-1	7/30/2019 12:35	7/30/2019 13:55	73	SE/20		OGI Inspection	7/30/2019	Confirmed and Closed	7/30/2019	Thief Hatch	T16055*-THIEF HATCH LID VENTING (VITON)-MOV_7807
											T16050-THIEF HATCH LID VENTING (VITON)-MOV_7805
											T16058*-THIEF HATCH LID VENTING (VITON)-MOV_7809
											T16057*-THIEF HATCH LID VENTING (VITON)-MOV_7808
											T16049-THIEF HATCH LID VENTING (VITON)-MOV_7806
											T16061-THIEF HATCH LID VENTING (VITON)-MOV_7810
OGI Inspection - HA-STATE-152-95-1621H5-9 LWH-1	1/3/2019 12:45	1/3/2019 13:45	40	W/12		OGI Inspection	1/3/2019	Confirmed and Closed	1/4/2019	Pressure Relief Devices	T16160- PVRV IS LEAKING FROM THE PIPE OPENING. MOV_0390
OGI Inspection - HA-STATE-152-95-1621H5-9 LWH-1	7/24/2019 11:25	7/24/2019 12:45	74	SE/12		OGI Inspection	7/24/2019	Confirmed and Closed	7/29/2019	Thief Hatch	T16154-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_7725
											T16160-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_7727
											T16164*-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_7732
											T16156-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_7730
											T16157-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_7729
											T16165*-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_7733
											T16163*-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_7731
											T16158-THIEF HATCH LID & GASKET VENTING (BUNA)-MOV_7728
											T16161-THIEF HATCH LID VENTING (TIN COVERED)-MOV_7726
OGI Inspection - HA-SWENSON CENTRAL	7/30/2019 7:50	7/30/2019 9:30	59	ESE/9		OGI Inspection	7/30/2019	Confirmed and Closed	8/2/2019	Transmitter	T9630*-RADAR GAUGE ON THE LEFT HAND SIDE OF THE THIEF HATCH IS VENTING FROM THE THREADS RUNNING INTO THE TANK-MOV_7791SKITCH PICTURE UPLOADED
									7/30/2019	Pressure Relief Devices	T9587-ENARDO PVRV VENTING FROM UNDER THE VACUUM SIDE CANISTER-MOV_7795ACCESSIBLE FROM THE WALKWAY
									8/2/2019	LP Flare	LP FLARE-THE LP FLARE IS NOT LIT/EMITTING-MOV_7891
									7/30/2019	Thief Hatch	T9412-THIEF HATCH LID & GASKET VENTING (VITON)-MOV_7794
											T9413*-THIEF HATCH LID VENTING (VITON)-MOV_7792
											T9414-THIEF HATCH LID VENTING (VITON)-MOV_7793
									8/2/2019	Transmitter	T9629*-RADAR GAUGE ON THE LEFT HAND SIDE OF THE THIEF HATCH IS VENTING FROM THE THREADS RUNNING INTO THE TANK-MOV_7790SKITCH PICTURE UPLOADED
OGI Inspection - HA-THOMPSON/CHAPIN-152-95-2017H-3,4,5,6/2932H-7,8,9,10	1/10/2019 12:15	1/10/2019 13:35	21	S/6		OGI Inspection	1/10/2019	Pending		LP Flare	LP FLARE CENTRAL- THE MIDDLE LP FLARE IS EMITTING BLACK SMOKE, (EMITTING 11:32 MIN/15:00 MIN) VIDEO ATTACHED
										LP Flare	LP FLARE EAST- THE EAST LP FLARE IS EMITTING BLACK SMOKE, (EMITTING 10:56 MIN/15:00 MIN) VIDEO ATTACHED
										LP Flare	LP FLARE WEST- THE WESTERN LP FLARE IS EMITTING BLACK SMOKE (9:12 MIN/ 15:00 MIN), VIDEO ATTACHED
OGI Inspection - LK-ERICKSON/QUILLIAM H2-4	9/18/2018 9:40	9/18/2018 10:50	49	ENE/4		OGI Inspection	9/18/2018	Confirmed and Closed	10/8/2018	Thief Hatch	T15602*-Thief hatch lid venting (Viton)-Mov_5990Erickson Battery
											T15890*-Thief hatch lid venting (Viton)-Mov_5986Quilliam Battery
											T15888*-Thief hatch lid venting (Viton)-Mov_5984Quilliam Battery
											T15604*-Thief hatch bolts venting (Viton)-Mov_5989Erickson Battery
											T15594-Thief hatch lid venting (Viton)-Mov_5987Erickson Battery
											T15596-Thief hatch lid venting (Viton)-Mov_5988Erickson Battery
											T15887*-Thief hatch lid venting (Viton)-Mov_5983Quilliam Battery
											T15889*-Thief hatch lid venting (Viton)-Mov_5985Quilliam Battery
OGI Inspection - RS-ARMOUR FAC	3/20/2019 8:55	3/20/2019 9:40	31	WNW/7		OGI Inspection	3/20/2019	Confirmed and Closed	3/20/2019	Pressure Relief Devices	T7561-ENARDO PVRV VENTING FROM THE FRONT OF THE PIPE-MOV_6846ACCESSIBLE FROM THE WALKWAY
OGI Inspection - RS-ARMOUR FAC	8/16/2018 12:35	8/16/2018 13:45	76	NE 5		OGI Inspection	8/16/2018	Confirmed and Closed	9/14/2018	Liq EQ Line	T7564 LIQ EQ LINE SW SIDE. SHORT FIBERGLASS PIPE INTO BUTTERFLY VALVE MOV_6897
										LP Vapor Line	T7561 LP VAPOR LINE. SHORT FIBERGLASS PIPE INTO BOTTOM OF FLANGE ABOVE TANK (MANLIFT NEEDED) MOV_6900
										Thief Hatch	T7578* THIEF HATCH LID (VITON BASE) MOV_6893
											T7561 THIEF HATCH LID (VITON BASE) MOV_6899
											T7560 THIEF HATCH BASE BOLTS AND LID (VITON BASE) MOV_6896
										Other	T7560 BLANKET GAS INTO TANK. LEAK FROM SHORT FIBERGLASS PIPE INTO BOTTOM OF FLANGE MOV_6895
										Transmitter	T7578* RADAR GAUGE BETWEEN METAL AND THREAD ASSEMBLY MOV_6894
										LP Vapor Line	T7578* LP VAPOR LINE. FIBERGLASS PIPE THAT RUNS EAST/WEST INTO EAST SIDE OF FLANGE (MANLIFT NEEDED) MOV_6891
										Pressure Relief Devices	T7561 ENARDO PVRV ALLOWING CONTINUOUS VENTING VIA VENT PIPE (ACCESSIBLE) MOV_6898
OGI Inspection - SC-1WX8-1H/SC-1WX-152-99-0809H-6,7,8	3/6/2019 8:15	3/6/2019 10:45	-2	WNW/4		OGI Inspection	3/6/2019	Confirmed and Closed	3/6/2019	Thief Hatch	T16246*- THIEF HATCH LID IS LEAKING (ENARDO LOCKDOWN), MOV_0550
											T16236- THIEF HATCH LID IS LEAKING (ENARDO LOCKDOWN), MOV_0553
											T16247*- THIEF HATCH LID IS LEAKING (ENARDO LOCKDOWN), MOV_0551
											T16235- THIEF HATCH LID IS LEAKING (ENARDO LOCKDOWN), MOV_0552
											T16233- THIEF HATCH LID IS LEAKING (ENARDO LOCKDOWN), MOV_0555
								Pending		HP Flare	HP FLARE- THE HP FLARE IS EMITTING BLACK SMOKE (12:57 MIN/15:00 MIN), VIDEO ATTACHED
											H-6 TREATER BUILDING- THE FLANGE COMING OFF THE BOTTOM RED KIMRAY CLOSEST TO THE SEPARATOR IS LEAKING. THE FLANGE CONNECTS THE BOTTOM GAS PIPE
								Confirmed and Closed	3/19/2019	Flanges	COMING OFF THE SEPARATOR TO THE RED KIMRAY. MOV_0556, SKITCH PICTURE ATTACHED
								Confirmed and Closed	3/6/2019	Thief Hatch	T16230- THIEF HATCH LID IS LEAKING (ENARDO LOCKDOWN), MOV_0554
OGI Inspection - SC-JCB/Gene 2 Pad	4/23/2019 8:05	4/23/2019 9:10	50	SSW/10		OGI Inspection	4/23/2019	Confirmed and Closed	5/20/2019	Other	T16422-THE DAMAGED TANK HAS A 4" HOLE THAT IS VENTING. THE HOLE IS APPROXIMATELY IN THE MIDDLE OF THE TANK-MOV_7120SKITCH PICTURE WAS UPLOADED
OGI Inspection - SC-JCB/Gene 2 Pad	10/8/2018 12:20	10/8/2018 14:35	37	Calm		OGI Inspection	10/8/2018	Confirmed and Closed	11/6/2018	Valves	JCB H-4 TREATER BUILDING - PCV4150 ABOVE FUEL GAS SCRUBBER LEAK FROM BOTTOM VALVE (TRIED TIGHTENING) MOV_7508
									11/6/2018	Valves	GENE H-6 TREATER BUILDING - BOTTOM VALVE OF PCV 6150 ABOVE SCRUBBER POT (TRIED TIGHTENING) MOV_7510
									10/8/2018	Thief Hatch	T16431* THIEF HATCH LID (LOCKDOWN - VITON) MOV_7498
									11/1/2018	Transmitter	T16428* SE ANODE AND CENTER STEM MOV_7506
									11/6/2018	Valves	GENE H-3 TREATER BOTTOM THREADS OF VALVE DIRECTLY NE OF PCV3150 ABOVE SCRUBBER POT MOV_7512
									11/1/2018	Transmitter	T16429* SE ANODE CENTER STEM MOV_7504
											T16431* NW ANODE CENTER STEM AND ANODE (MANLIFT) MOV_7499
											T16430 NW ANODE AND CENTER STEM MOV_7502
									11/6/2018	Other	JCB H-3 TREATER BUILDING - LEAK FROM BEHIND/SIDE OF FLOAT JAW ON LC3150 (VESSEL V3150) MOV_7507
									11/6/2018	Valves	GENE H-3 TREATER BUILDING - BOTTOM VALVE OF PCV3150 ABOVE SCRUBBER POT (TRIED TIGHTENING) MOV_7511
									11/1/2018	Transmitter	T16431* SE ANODE CENTER STEM AND ANODE MOV_7501
											T16430* SE ANODE CENTER STEM MOV_7503
OGI Inspection - SC-Norma/Gene Pad	4/18/2019 9:40	4/18/2019 10:40	35	NNW/8		OGI Inspection	4/18/2019	Confirmed and Closed	4/25/2019	Thief Hatch	T15708- THIEF HATCH LID IS LEAKING (VITON), MOV_0957
											LP FLARE-THE LP FLARE FURTHEST FROM THE TREATER BUILDINGS IS NOT LIT/EMITTING.AN AUDIBLE CLICKING CAN BE HEARD BUT NOT FLAME IS PRESENT-MOV_6480
OGI Inspection - SC-NORMA/GENE-154-98-0706/0805H-6,7,8,LEH-1,0705LEH-2/H-2	11/14/2018 12:50	11/14/2018 13:55	42	WSW/14		OGI Inspection	11/14/2018	Confirmed and Closed	11/15/2018	LP Flare	SKITCH PICTURE WAS

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/2018 to 8/2/2019

Affected Facilities: Fugitive emission components at a reciprocating compressor affected facility

All resurveys are conducted utilizing Optical Gas Imaging (OGI), which is the same method used to detect fugitive emissions.

Facility Name	Fugitive Emission Surveys	Description
Ross Compressor Station	Attached	Remaining open deviations require station shutdown for repair - Repairs will be made during next planned shutdown
Myrtle Compressor Station	Attached	Remaining open deviations require station shutdown for repair - Repairs will be made during next planned shutdown
Blue Buttes Compressor Station	Attached	Remaining open deviations require station shutdown for repair - Repairs will be made during next planned shutdown

Inspection	Inspection Status	Inspection Start	Inspection End	Ambient Temp (F)	Wind Direction/ Speed	Inspector	Inspection Type	Logged Date	Action Item Status	Completed	System	Corrections Required
OGI Inspection - Ross Compressor Station	Complete	3/26/2019 7:15	3/26/2019 9:40	34	S/10	(b) (9)	GI Inspection	3/26/2019	Confirmed and Closed	4/10/2019	Connectors	COMP BLDG #2-BLUE VALVE ON THE WEST SIDE OF THE BUILDING IS VENTING FROM THE J SHAPED HOOK ON TOP OF THE VALVE. THE VALVE IS LABELED VALVE CAP 230 HEAD 230-MOV_6893
										5/24/2019	Valves	COMP BLDG #1-GRAY VALVE THAT SETS ON THE FLOOR IN THE NW CORNER OF THE BUILDING IS VENTING FROM THE VALVE ON THE LEFT SIDE OF THE DEVICE . THE VALVE HAS A STAMP THE READS-MERCER VALVE PCV 70219-MOV_6894
										4/10/2019	Valves	COMP BLDG #2-GREEN VALVE RUNNING ON THE SOUTH SIDE OF THE BUILDING IS VENTING. THE VALVE IS OUTSIDE OF THE COMP BLDG LOCATED APPROXIMATELY 1' OFF THE GROUND IN THE MIDDLE OF THE BUILDING BENEATH THE HEATER-MOV_6899 SKITCH PICTURE WAS UPLOADED
												COMP BLDG #2-VALVE RUNNING ON THE SOUTH SIDE OF THE BUILDING IS VENTING. THE VALVE IS OUTSIDE OF THE COMP BLDG LOCATED APPROXIMATELY 1' OFF THE GROUND IN THE MIDDLE OF THE BUILDING-MOV_6898 SKITCH PICTURE WAS UPLOADED
										5/6/2019	Valves	NGL BLDG-GRAY VALVE ON THE WEST SIDE OF THE BUILDING IS VENTING FROM THE BOTTOM CONNECTION. THE VALVE IS LABELED 2000WOG, IT HAS A BLUE HANDLE-MOV_6896 SKITCH PICTURE WAS UPLOADED
										6/11/2019	Flanges	COMP BLDG #3-BLUE VALVE ON THE WEST SIDE OF THE BUILDING IS VENTING FROM THE BACK FLANGE. THE VALVE IS LABELED VALVE CAP 230 HEAD 230-MOV_6892 SKITCH PICTURE WAS UPLOADED
										4/10/2019	Valves	FLASH GAS COMP BLDG-GRAY MERCER VALVE ON THE SOUTH SIDE OF THE BUILDING IS VENTING FROM THE BLACK UNION ON THE RIGHT SIDE OF THE VALVE. THE VALVE IS LABELED 04.9338.010-MOV_6895 SKITCH PICTURE WAS UPLOADED
												FLASH GAS COMP BLDG-BLACK VALVE ON THE BACKSIDE (SOUTH WEST) OF THE BUILDING IS VENTING. THE VALVE IS LABELED MRC & HAS A STAMP THAT READS ZSO-798321A-MOV_6897
												COMP BLD 3-BLUE VALVE ON THE NW CORNER OF THE BUILDING IS VENTING. THE VALVE IS VENTING FROM THE HAMMER UNION , THE VALVE IS LABELED 216292. TGE VALVE IS CONNECTED TO A WHITE VESSEL THAT IS LABELED 10-7896-MOV_7408
OGI Inspection - Ross Compressor Station	In Progress	6/20/2019 10:50	6/20/2019 12:20	60	SW/5		GI Inspection	6/20/2019	New		Other	
OGI Inspection - Ross Compressor Station	In Progress	9/27/2018 8:00	9/27/2018 10:00	36	NW 15-20		GI Inspection	9/27/2018	Confirmed and Closed	10/23/2018	Other	COMPRESSOR #5 - BOTTOM OF SIGHT GLASS NEAR SW CORNER OF BUILDING. TAG AT TOP OF SIGHT GLASS READS LG-702502
											Other	COMPRESSOR #1 - LEAK FROM NW HEAD BETWEEN BODY AND SN U-78469 MOV_7407

Inspection	Inspection Status	Inspection Start	Inspection End	Ambient Temp (F)	Wind Direction/ Speed	Inspector	Inspection Type	Logged Date	Action Item Status	Completed	System	Corrections Required
						(b) (9)						VRU BLDG-THE LINE RUNNING ON THE BACKSIDE (SOUTH SIDE) OF THE VRU BLDG IS VENTING FROM THE STEM. THE LEAK IS COMING FROM A FLEX TUBE LOCATED APPROXIMATELY 7' BACK FROM THE VRU BLDG & ON TOP OF THE STEEL LINE COMING OFF OF THE VRU-MOV_6917
OGI Inspection - Myrtle Compressor Station	Complete	3/27/2019 7:10	3/27/2019 9:05	38	W/22		GI Inspectic	3/27/2019	Confirmed :	5/1/2019	Valves	SKITCH PICTURE WAS UPLOADED
												COMP BLDG #5 WEST BLDG-THE BLUE MOTOR IN THE MOST WESTERN BUILDING ON LOCATION (1ST BLDG-COMP 5) IS VENTING FROM EVERY FLANGE ON TOP & ON THE SIDES OF THE MOTOR. THE MOTOR IS LOCATED IN THE WEST SIDE OF THE BLDG & HAS A STAMP THAT READS S/N U138663-MOV_6915
											Flanges	SKITCH PICTURE WAS UPLOADED
												COMP BLDG #5 WEST BLDG-THE GREEN VALVE IN THE MOST WESTERN BUILDING ON LOCATION (1ST BLDG) IS VENTING FROM THE PACKING ON THE BOTTOM OF THE VALVE. THE VALVE IS LOCATED IN THE SW CORNER OF THE BLDG-MOV-6916
											Valves	SKITCH PICTURE WAS UPLOADED
												COMP BLD 5-THE WHITE VESSEL IN THE SE CORNER OF THE COMPRESSOR BUILDING IS VENTING FROM THE THREADS. THE VESSEL IS DIRECTLY UNDER THE RUFFNECK HEATER INTHE BUILDING, IT IS THE TOP VESSEL-MOV_7405
OGI Inspection - Myrtle Compressor Station	In Progress	6/20/2019 8:25	6/20/2019 10:20	51	SW/5		GI Inspectic	6/20/2019	Pending		Other	SKITCH PICTURE WAS UPLOADED
												COMP BLD 4- THE VALVE LOCATED NEAR THE FLOOR IN THE NE CORNER OF THE BUILDING IS VENTING. THE VALVE HAS A METAL STAMP READS 712304, THE VALVE IS VENTING FROM THE TOP LEFT CORNER-MOV_7406
									Confirmed :	7/25/2019	Other	SKITCH PICTURE WAS UPLOADED
												COMP BLD 2-THE VALVE LOCATED NEAR THE FLOOR IN THE NE CORNER OF THE BUILDING IS VENTING. THE VALVE IS VENTING FROM THE TOP LEFT CORNER-MOV_7407
											Other	SKITCH PICTURE WAS UPLOADED
OGI Inspection - Myrtle Compressor Station	Complete	10/22/2018 9:20	10/22/2018 12:40	45	NW 5-10		GI Inspectic	10/22/2018	Confirmed :	12/5/2018	Other	COMPRESSOR #1 - OPEN ENDED 90 OFF FAR NE MERCER VALVE AT CORNER OF BUILDING MOV_7636
											Other	FIRST MIDDLE SKID WEST OF FLARE - LEAK FROM BOTTOM OF ACTUATOR PV-712001 (SW CORNER OF SKID) MOV_7628
											Flanges	SOUTH SIDE OF DEHY BUILDING. FLANGE BELOW ASHCROFT 30 PSI GAUGE BELOW BURNER TUBE (ACCESSIBLE FROM 2ND LEVEL) MOV_7631
											Other	COMPRESSOR #3 - STAINLESS CONNECTION ABOVE MERCER VALVE AT NE CORNER OF BUILDING. MOV_7632
											Other	NGL BUILDING - STAINLESS CONNECTION INTO TOP 90 JUST EAST OF MERCER VALVE SN WR1554F MOV_7638
											Other	NEAR SE TANK BATTERY - NW OF 2 TANKS. OPEN ENDED STAINLESS LINES ON NORTH AND SOUTH SIDE OF GAUGES ABOVE LINE TO VRU BUILDING MOV_7626
											Flanges	SOUTH LINE HEATER - SE CORNER OF PAD. LEAK FROM MERCER VALVE BOTTOM FLANGE AT SW CORNER OF VESSEL. MOV_7623
											Other	3 PHASE BUILDING 2ND LEVEL. TOP AND BOTTOM THREADS OF SHORT 1" PIPE BETWEEN SWAGELOK VALVE AND PIT_721001 (WEST SIDE OF D-711000) MOV_7630
											Other	NGL BUILDING - BOTTOM STAINLESS CONNECTION INTO VALVE NEAREST WEST ENTRANCE DOOR MOV_7637
											Other	SE CORNER OF PAD - SOUTH LINE HEATER. LEAK FROM STAINLESS INTO BOTTOM OF BLACK NORRISEAL AIR FILTER REGULATOR MOV_7624
											Other	COMPRESSOR #1 - LEAK FROM STAINLESS LINE WHERE IT CONTACTS THE LIP ON THE FLOOR BELOW D712110 3RD STATE SUCTION BOTTLE MOV_7634
											Other	SE CORNER OF PAD - NORTH LINE HEATER. LEAK FROM PIPING NEAR NORTH RED KIMRAY. COULDN'T PINPOINT THE LEAK - MAY HAVE TO SNOOP. MAY BE UNDERSIDE OF STAINLESS LINE RESTING ON 4" PIPE MOV_7625
											Other	COMPRESSOR #1 - SOUTH END OF BRAIDED HOSE ABOVE D712106 1ST STAGE SUCTION BOTTLE (LOOKS LIKE BRAIDED HOSE INTO FITTING, NOT THREADED CONNECTION) MOV_7635
											Other	3 PHASE BUILDING 2ND LEVEL. BOTTOM OF FISHER ACTUATOR PV-711002 MOV_7629
											Other	EAST END OF FIRST MIDDLE SKID WEST OF FLARE. 60 PSI GAUGE THREADS ON FUEL GAS LINE MOV_7627

Inspection	Inspection Status	Inspection Start	Inspection End	Ambient Temp (F)	Wind Direction/Speed	Inspector	Inspection Type	Logged Date	Action Item Status	Completed	System	Corrections Required
OGI Inspection - New Blue Buttes Compressor Station	Complete	6/25/2019	6/25/2019	33	N/9	(b) (9)	OGI Inspection	6/25/2019	Confirmed and Closed	10/24/2019	Thief Hatch	PRODUCTION TANKS-TK791502-THIEF HATCH IN THE CENTER OF THE TANK IS VENTING FROM THE LID-MOV_7434 SKITCH PICTURE WAS UPLOADED
												PRODUCTION TANKS-TK791602-THIEF HATCH IN THE CENTER OF THE TANK IS VENTING FROM THE LID-MOV_7431 SKITCH PICTURE WAS UPLOADED
												PRODUCTION TANKS-TK791401-THIEF HATCH IN THE CENTER OF THE TANK IS VENTING FROM THE LID-MOV_7432 SKITCH PICTURE WAS UPLOADED
OGI Inspection - New Blue Buttes Compressor Station	Complete	3/28/2019 8:05	3/28/2019 10:40	33	N/9		OGI Inspection	3/28/2019	Confirmed and Closed	6/25/2019	Flanges	HP DISCHARGE LINE-THE GREEN FLANGE ON THE HP DISCHARGE LINE IS VENTING FROM THE BOLTS. THE FLANGE IS LOCATED ON THE SOUTH SIDE OF THE LOCATION NEAR THE GLYCOL TANK (TK-794029). THE SN IS 1469742 & THE GREEN VALVE HAS A LARGE ORANGE VALVE APPROXIMATELY 1' ABOVE IT. THE FLANGE IS THE FIFTH GREEN VALVE BACK FROM THE GLYCOL TANK-MOV_6925 SKITCH PICTURE WAS UPLOADED

40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

REPORTING PERIOD: 8/2/18 to 8/2/19

Affected Facility: *Reciprocating Compressors*

A single reciprocating compressor located between the wellhead and the point of custody transfer to the natural gas transmission and storage segment. A reciprocating compressor at a well site, or an adjacent well site and servicing more than one well site, is not an affected facility.

Reciprocating Compressor ID	Cumulative hours/months operated since September 18, 2015 OR since last rod packing replacement (whichever is later)	Description of Deviations (select from list)
EC-5, Ross Compressor Station	10,893 Hours	N/A